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PROJECT OPERATIONS BRANCH, CODE 513
GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND, U.S.A. 20771

SATELLITE SITUATION REPORT

VOLUME 32, NUMBER 4 DECEMBER 31, 1992

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GREENBELT, MARYLAND, U.S.A 20771

SPACE OBJECTS BOX SCORE

SOURCE/ORGANIZATION	OBJECTS IN ORBIT			DECAYED OBJECTS		
	PAYLOAD	DEBRIS	TOTAL	PAYLOAD	DEBRIS	TOTAL
ARAB SAT. COMM. ORG. (ASCO)	0	0	0	0	0	0
ARGENTINA	1	0	1	0	0	0
ASIASAT CORP.	0	0	0	0	0	0
AUSTRALIA	6	1	7	1	0	1
BRAZIL	3	0	3	0	-0	0
CANADA	16	0	16	1	0	1
CZECH	1	0	1	1	0	1
ESA	24	135	159	3	445	448
ESRO	0	0	0	7	3	10
FRANCE	20	16	36	7	59	66
FRANCE/FRG	2	0	2	0	0	0
FRG	12	2	14	4	5	9
INDIA	8	2	10	6	8	14
INDONESIA	6	0	6	1	1	2
INT. MARITIME SAT. ORG. (IMSO)	3	0	3	0	0	0
INT. TELECOM. SAT. ORG. (ITSO)	42	0	42	1	0	1
ISRAEL	0	0	0	2	2	4
ITALY	3	0	3	5	0	5
JAPAN	48	49	97	9	67	76
KOREA	1	0	1	0	0	0
LUXEMBOURG	2	0	2	0	0	0
MEXICO	2	0	2	0	0	0
NATO	7	2	9	0	0	0
NETHERLANDS	0	0	0	1	3	4
PAKISTAN	0	0	0	1	0	1
PRC	10	82	92	23	68	91
SAUDI ARABIA	3	0	3	0	0	0
SPAIN	2	2	4	0	0	0
SWEDEN	3	0	3	0	0	0
UK	16	2	18	8	3	11
US	605	2624	3229	629	2832	3461
USSR	1250	2107	3357	1571	9421	10992
COLUMN	2096	5024	7120	2281	12917	15198
SUM TOTAL						22318

INTER- NATIONAL DESIGNATION	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
	NAME	CATALOG NUMBER	SOURCE	LAUNCH					
1958 LAUNCHES									
BETA 1	VANGUARD 1	16	US	17 MAR	137.7	34.3	4256	653	
BETA 2		5	US	17 MAR	133.2	34.3	3870	652	
BETA 3		1576	US	17 MAR	126.7	34.2	3321	635	
1959 LAUNCHES									
ALPHA 1	VANGUARD 2	11	US	17 FEB	122.8	32.9	3054	557	
ALPHA 2		12	US	17 FEB	127.1	32.9	3436	559	
ALPHA 4		14934	US	17 FEB	111.7	32.9	2079	533	
ETA 1	VANGUARD 3	20	US	18 SEP	126.4	33.4	3417	512	
IOTA 1	EXPLORER 7	22	US	13 OCT	98.6	50.3	861	524	
MU 1	LUNA 1	112	USSR	02 JAN	HELIOCENTRIC ORBIT				
NU 1	PIONEER 4	113	US	03 MAR	HELIOCENTRIC ORBIT				
1960 LAUNCHES									
ALPHA 1	PIONEER 5	27	US	11 MAR	HELIOCENTRIC ORBIT			658	
BETA 2	TIROS 1	29	US	01 APR	98.3	48.4	695	646	
BETA 4		115	US	01 APR	98.4	48.2	720	604	
ETA 1	TRANSIT 2A	45	US	22 JUN	100.8	66.7	990	590	
ETA 2	GREB	46	US	22 JUN	100.2	66.7	943	600	
ETA 3		47	US	22 JUN	100.4	66.7	952	544	
ETA 4		840	US	22 JUN	97.9	66.7	775	541	
ETA 5		841	US	22 JUN	97.8	66.7	762	541	
IOTA 2		50	US	12 AUG	118.1	47.2	1684	1502	
IOTA 3		51	US	12 AUG	118.2	47.2	1687	1516	
IOTA 4		52	US	12 AUG	NO CURRENT ELEMENTS				
IOTA 5		53	US	12 AUG	118.4	47.3	1686	1529	
NU 1	COURIER 1B	58	US	04 OCT	107.1	28.3	1214	967	
NU 2		59	US	04 OCT	106.6	28.2	1208	926	
PI 1	TIROS 2	63	US	23 NOV	96.3	48.5	614	549	
PI 5		5922	US	23 NOV	105.2	47.0	1035	974	
XI 1	EXPLORER 8	60	US	03 NOV	102.5	49.9	1361	395	
1961 LAUNCHES									
A DELTA 1	MIDAS 4	192	US	21 OCT	165.9	95.8	3762	3483	
A DELTA 3		194	US	21 OCT	165.5	95.8	3856	3356	
A DELTA 4		195	US	21 OCT	166.3	95.8	3863	3415	
A DELTA 5		2009	US	21 OCT	165.7	95.8	3733	3493	
A DELTA 6		2371	US	21 OCT	165.2	95.9	4713	2480	
A ETA 1	TRANSIT 4B	202	US	15 NOV	105.7	32.4	1104	953	
A ETA 2	TRAAC	205	US	15 NOV	105.8	32.4	1107	956	
A ETA 3		204	US	15 NOV	105.6	32.4	1097	950	
A ETA 4		10796	US	15 NOV	105.8	32.4	1106	955	
DELTA 2		82	US	16 FEB	117.8	38.9	2530	637	
DELTA 3		85	US	16 FEB	108.6	38.8	1736	582	
DELTA 6		3927	US	16 FEB	109.7	38.9	1840	587	
DELTA 7		4026	US	16 FEB	110.2	38.9	1888	582	
GAMMA 1	VENERA 1	80	USSR	12 FEB	HELIOCENTRIC ORBIT				
NU 1	EXPLORER 11	107	US	27 APR	104.5	28.8	1465	479	
NU 2		3739	US	27 APR	90.6	28.8	334	273	
OMICRON 1	TRANSIT 4A	116	US	29 JUN	103.6	66.8	984	868	
OMICRON 3			US	29 JUN	SEE NOTE		1*		1*
OMICRON 2	INJUN-SR-3	117	US	29 JUN	103.6	66.8	990	871	

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH					
RHO 1	TIROS 3	162	US	12 JUL	100.0	47.9	791	723	
RHO 2		165	US	12 JUL	98.1	47.9	688	647	
RHO 3		166	US	12 JUL	90.3	47.9	294	282	
RHO 4		167	US	12 JUL	101.5	47.9	900	759	
SIGMA 1	MIDAS 3	163	US	12 JUL	161.4	91.2	3539	3344	
SIGMA 3		188	US	12 JUL	161.1	91.2	3543	3312	
SIGMA 4		196	US	12 JUL	161.8	91.2	3559	3357	
1962 LAUNCHES									
A ALPHA 1	TIROS 5	309	US	19 JUN	99.4	58.1	889	573	
A ALPHA 3		312	US	19 JUN	100.1	58.3	948	574	
A ALPHA 4		313	US	19 JUN	90.1	58.0	291	269	
A EPSILON 1	TELSTAR 1	340	US	10 JUL	157.8	44.8	5642	947	
A EPSILON 2		341	US	10 JUL	157.6	44.8	5626	945	
A OMICRON 1		369	US	23 AUG	98.1	98.5	754	579	
A OMICRON 4		388	US	23 AUG	94.9	98.6	550	480	
A PSI 1	TIROS 6	397	US	18 SEP	97.6	58.3	652	635	
A PSI 3		399	US	18 SEP	97.4	58.4	653	613	
A PSI 5		19436	US	18 SEP	90.9	58.3	326	313	
A RHO 1	MARINER 2	374	US	27 AUG	HELIOCENTRIC ORBIT				
A RHO 2		375	US	27 AUG	HELIOCENTRIC ORBIT				
ALPHA 1	RANGER 3	221	US	26 JAN	HELIOCENTRIC ORBIT				
ALPHA 2		222	US	26 JAN	HELIOCENTRIC ORBIT				
B ALPHA 1	ALOUETTE 1	424	CANADA	29 SEP	105.2	80.5	1022	987	
B ALPHA 2		426	US	29 SEP	80.5	80.5	1019	991	
B ALPHA 3		510	US	29 SEP	105.2	80.5	1013	989	
B ALPHA 4		511	US	29 SEP	105.3	80.4	1031	982	
B CHI 1	EXPLORER 16	506	US	16 DEC	104.1	52.0	1159	745	
B ETA 1	RANGER 5	439	US	18 OCT	HELIOCENTRIC ORBIT				
B ETA 2		440	US	18 OCT	HELIOCENTRIC ORBIT				
B MU 1	ANNA 1B	446	US	31 OCT	107.9	50.1	1181	1075	
B MU 2		447	US	31 OCT	107.6	50.1	1164	1065	
B NU 3		450	USSR	01 NOV	HELIOCENTRIC ORBIT				
B UPSILON 1	RELAY 1	503	US	13 DEC	185.1	47.5	7436	1323	
B UPSILON 2		515	US	13 DEC	184.8	47.5	7418	1322	
BETA 1	TIROS 4	226	US	08 FEB	99.9	48.3	812	694	
BETA 2		227	US	08 FEB	100.6	48.2	888	683	
BETA 3		228	US	08 FEB	97.8	48.4	674	636	
BETA 4		229	US	08 FEB	97.4	48.3	665	604	
KAPPA 1		271	US	09 APR	152.9	86.7	3406	2782	
KAPPA 3		273	US	09 APR	152.5	86.7	3362	2794	
KAPPA 4		274	US	09 APR	153.3	86.7	3448	2767	
KAPPA 7		18603	US	26 OCT	153.0	86.7	3420	2775	
KAPPA 8		19981	US	26 OCT	153.7	86.7	3388	2784	
MU 2		282	US	23 APR	HELIOCENTRIC ORBIT				

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT					PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH							
1963-022B	TIROS 7	603	US	16 JUN	95.9	89.9	568	557			
1963-024A		604	US	19 JUN	92.7	58.2	415	398			
1963-025B		614	US	27 JUN	114.6	82.1	2553	324			
1963-030A		622	US	18 JUL	167.8	88.4	3724	3673			
1963-030B	ERS 10 ERS 9	635	US	18 JUL	167.8	88.4	3730	3667			
1963-030C		630	US	18 JUL	167.4	88.4	3751	3616			
1963-030E		631	US	18 JUL	168.2	88.4	3804	3627			
1963-030F		3121	US	18 JUL	167.8	88.5	3731	3666			
1963-030G	SYNCOM 2	3132	US	18 JUL	167.8	88.4	3765	3634			
1963-030H		20153	US	18 JUL	162.1	88.7	5768	1168			
1963-031A		634	US	26 JUL	NO	CURRENT ELEMENTS					
1963-038A		669	US	28 SEP	107.0	90.0	1104	1067			
1963-038B	SN 39	670	US	28 SEP	107.1	90.0	1126	1062			
1963-038C		671	US	28 SEP	107.1	90.0	1124	1061			
1963-038D		672	US	28 SEP	106.2	90.0	1076	1021			
1963-038E		745	US	28 SEP	106.5	89.9	1083	1049			
1963-038F		2097	US	28 SEP	106.3	89.9	1083	1022			
1963-038G		3166	US	28 SEP	107.1	90.0	1125	1061			
1963-038H		12943	US	28 SEP	104.6	89.9	1075	876			
1963-038J		20470	US	28 SEP	105.9	89.9	1050	1024			
1963-038K	CENTAUR 2	674	US	17 OCT	NO	CURRENT ELEMENTS					
1963-039A		692	US	17 OCT	NO	CURRENT ELEMENTS					
1963-039C		694	US	27 NOV	104.6	30.4	1485	468			
1963-047A		698	US	27 NOV	106.2	29.9	1494	607			
1963-047D		700	US	27 NOV	108.0	30.5	1690	577			
1963-047F		701	US	27 NOV	105.8	30.0	1464	599			
1963-047G		739	US	27 NOV	104.8	30.4	1487	486			
1963-047H		2886	US	27 NOV	108.6	29.9	1653	667			
1963-047K		3741	US	27 NOV	104.9	29.9	1350	625			
1963-047L		14528	US	27 NOV	106.0	29.6	1426	655			
1963-047Q		19106	US	27 NOV	104.1	30.5	1266	638			
1963-047T		703	US	05 DEC	106.7	90.1	1083	1060			
1963-049A		704	US	05 DEC	106.9	90.1	1111	1057			
1963-049B		705	US	05 DEC	106.9	90.1	1109	1056			
1963-049C		706	US	05 DEC	106.5	90.1	1087	1041			
1963-049D		715	US	05 DEC	105.8	90.1	1048	1013			
1963-049E		753	US	05 DEC	106.6	90.1	1095	1041			
1963-049F		2432	US	05 DEC	106.9	90.1	1109	1054			
1963-049G		2620	US	05 DEC	106.2	90.1	1062	1042			
1963-049H		721	US	19 DEC	115.2	78.6	2329	597			
1963-053B		722	US	19 DEC	110.2	78.6	1835	634			
1963-053C		724	US	19 DEC	108.4	78.6	1701	600			
1963-053E		726	US	19 DEC	105.8	78.6	1472	590			
1963-053G		732	US	19 DEC	109.8	78.6	1809	620			
1963-053H	TIROS 8	3750	US	19 DEC	107.9	78.6	1634	621			
1963-053J		17665	US	19 DEC	110.7	78.7	1876	640			
1963-053K		716	US	21 DEC	98.5	58.5	711	663			
1963-054A		720	US	21 DEC	100.1	58.5	854	671			
1963-054C	1964 LAUNCHES	19396	US	21 DEC	98.1	58.5	698	634			
1964-001A		727	US	11 JAN	103.2	69.9	924	899			
1964-001B		728	US	11 JAN	103.2	69.9	919	896			
1964-001C		729	US	11 JAN	103.3	69.9	925	900			
1964-001D	GRAVITY GRADIENT 1 SECOR (EGRS) 1 SOLRAD 7A GREB	730	US	11 JAN	103.2	69.9	923	899			
1964-001E		731	US	11 JAN	103.2	69.9	923	899			
1964-002A		733	US	19 JAN	100.7	99.0	819	768			

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1964-002B	RELAY 2	734	US	19 JAN	100.9	99.1	811	790		
1964-002C		735	US	19 JAN	100.9	99.1	815	791		
1964-003A		737	US	21 JAN	194.7	46.4	7535	1966		
1964-003B		738	US	21 JAN	194.8	46.4	7541	1965		
1964-004B		741	US	25 JAN	108.8	81.5	1300	1039		
1964-004C	ELEKTRON 1	742	US	25 JAN	108.6	81.5	1294	1032		
1964-004D		743	US	25 JAN	108.6	81.5	1294	1029		
1964-006A		746	USSR	30 JAN	162.8	60.8	6590	407		
TO 006AE				SEE NOTE			4*		4*	
1964-006C			USSR	30 JAN	1356.4	61.1	61357	7065		
1964-006B	ELEKTRON 2	18589	USSR	30 JAN	149.9	58.4	4246	1688		
1964-006N	ZOND 1	785	USSR	02 APR	HELIOCENTRIC ORBIT					
1964-016D		801	US	04 JUN	102.2	90.5	901	824		
1964-026A		805	US	04 JUN	102.1	89.9	887	827		
1964-026B		806	US	04 JUN	98.9	90.8	746	668		
1964-026C		809	US	04 JUN	102.5	90.5	914	838		
1964-026D	ELEKTRON 3	2986	US	04 JUN	102.6	90.5	926	837		
1964-026E		812	US	18 JUN	101.2	99.8	821	812		
1964-031A		813	US	18 JUN	101.3	99.8	822	814		
1964-031B		815	US	18 JUN	101.1	99.8	818	799		
1964-031C		829	USSR	10 JUL	161.2	60.8	6465	399		
1964-038A	SYNCOM 3	831	USSR	10 JUL	138.2	60.8	4551	397		
1964-038C		836	US	17 JUL	NO CURRENT ELEMENTS					
1964-040A		837	US	17 JUL	NO CURRENT ELEMENTS					
1964-040B		843	US	28 JUL	BARYCENTRIC ORBIT					
1964-041B		858	US	19 AUG	NO CURRENT ELEMENTS					
1964-047A	COSMOS 41	862	US	19 AUG	NO CURRENT ELEMENTS					
1964-047B		869	USSR	22 AUG	714.7	69.3	38823	1378		
1964-049D		898	USSR	22 AUG	717.6	69.4	38964	1383		
1964-049E		13091	USSR	22 AUG	715.9	69.3	39135	1127		
1964-049F		870	US	25 AUG	103.6	79.9	1001	855		
1964-051A	EXPLORER 20	871	US	25 AUG	103.2	79.9	977	843		
1964-051B		876	USSR	28 AUG	98.7	65.1	803	588		
1964-053A		877	USSR	28 AUG	99.0	65.1	758	659		
1964-053B		21126	USSR	28 AUG	98.9	65.1	754	656		
1964-053C		879	US	05 SEP	NO CURRENT ELEMENTS					
1964-054A	OGO 1	893	US	06 OCT	106.2	90.1	1067	1030		
1964-063A		897	US	06 OCT	106.4	90.1	1073	1046		
1964-063B		900	US	06 OCT	105.5	90.1	1034	999		
1964-063C		901	US	06 OCT	106.4	90.1	1069	1045		
1964-063D		902	US	06 OCT	106.4	90.1	1075	1047		
1964-063E	EXPLORER 22	903	US	06 OCT	105.4	90.1	1027	995		
1964-063F		18496	US	06 OCT	104.2	90.1	997	915		
1964-063G		899	US	10 OCT	104.3	79.7	1054	872		
1964-064A		907	US	10 OCT	104.4	79.7	1057	876		
1964-064B		976	US	10 OCT	103.0	79.3	997	806		
1964-064C	MARINER 3	977	US	10 OCT	104.8	80.0	1084	889		
1964-064D		923	US	05 NOV	HELIOCENTRIC ORBIT					
1964-073A		932	US	21 NOV	114.6	81.3	2354	522		
1964-076B		933	US	21 NOV	113.9	81.3	2283	524		
1964-076C		938	US	28 NOV	HELIOCENTRIC ORBIT					
1964-077A	MARINER 4	942	US	28 NOV	HELIOCENTRIC ORBIT					
1964-077B		945	USSR	30 NOV	HELIOCENTRIC ORBIT					
1964-078C		953	US	13 DEC	106.0	89.8	1063	1016		
1964-083A		956	US	13 DEC	105.7	89.8	1053	1000		
1964-083B		959	US	13 DEC	105.9	89.8	1065	1007		
1964-083C	ZOND 2	965	US	13 DEC	106.1	89.8	1079	1016		
1964-083D		967	US	13 DEC	105.7	89.8	1053	1000		
1964-083F										

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH					
1964-083G		1099	US	13 DEC	105.9	89.8	1063	1008	
1964-083J		1608	US	13 DEC	105.1	89.7	1024	969	
1964-086A	EXPLORER 26	963	US	21 DEC	209.2	19.8	10305	284	
1965 LAUNCHES									
1965-004A	TIROS 9	978	US	22 JAN	118.9	96.4	2564	702	
1965-004B		979	US	22 JAN	118.7	96.4	2546	700	
1965-004C		1312	US	22 JAN	117.5	96.4	2466	669	
1965-004D		1313	US	22 JAN	120.0	96.4	2634	730	
1965-008A		1001	US	11 FEB	145.4	32.1	2797	2766	
1965-008B		1000	US	11 FEB	145.7	32.1	2802	2784	
1965-008C		1002	US	11 FEB	145.8	32.1	2810	2783	
1965-010B		1087	US	17 FEB	BARYOCENTRIC ORBIT				
1965-016A	GREB	1271	US	09 MAR	103.2	70.1	927	893	
1965-016B	GRAVITY GRADIENT 2	1244	US	09 MAR	103.2	70.1	929	895	
1965-016C	GRAVITY GRADIENT 3	1292	US	09 MAR	103.0	70.1	918	884	
1965-016D	SOLRAD 7B	1291	US	09 MAR	103.3	70.1	931	897	
1965-016E	SECOR (EGRS) 3	1208	US	09 MAR	103.2	70.1	929	895	
1965-016F	OSCAR 3	1293	US	09 MAR	102.8	70.1	904	873	
1965-016H	SURCAL	1272	US	09 MAR	103.3	70.1	933	897	
1965-016J		1245	US	09 MAR	103.0	70.1	925	891	
1965-016K		12099	US	09 MAR	103.2	70.1	914	881	
1965-020AC		1370	USSR	15 MAR	102.1	56.1	1190	524	
1965-020AH		1392	USSR	15 MAR	104.4	55.9	1405	522	
1965-020BB		1477	USSR	15 MAR	111.8	55.5	1798	823	
1965-020BC		1478	USSR	15 MAR	109.6	56.1	1790	623	
1965-020BD		1479	USSR	15 MAR	114.8	56.0	2087	805	
1965-020BE		1480	USSR	15 MAR	114.6	56.1	2122	747	
1965-020BV		1495	USSR	15 MAR	103.0	55.6	1195	608	
1965-020CV		1549	USSR	15 MAR	114.4	56.2	2096	762	
1965-020E		1335	USSR	15 MAR	106.1	56.1	1503	585	
1965-020ED		1634	USSR	15 MAR	115.8	56.2	2172	806	
1965-020EH		2334	USSR	15 MAR	110.7	55.7	1729	784	
1965-020EM		2934	USSR	15 MAR	115.4	55.7	1760	1184	
1965-020EN		3038	USSR	15 MAR	107.8	56.3	1661	589	
1965-020ER		3708	USSR	15 MAR	118.1	56.4	1159	603	
1965-020ES		3743	USSR	15 MAR	102.6	56.7	1803	1388	
1965-020ET		3745	USSR	15 MAR	115.3	56.0	1586	1348	
1965-020EU		3749	USSR	15 MAR	107.2	56.1	1581	613	
1965-020EV		3931	USSR	15 MAR	116.6	56.1	1693	1362	
1965-020EY		3965	USSR	15 MAR	117.7	56.3	1790	1368	
1965-020FD		6252	USSR	15 MAR	117.1	56.0	1697	1404	
1965-020FF		13517	USSR	15 MAR	109.2	55.6	1660	722	
1965-020S		1347	USSR	15 MAR	101.6	55.6	1139	528	
1965-023B		1298	US	21 MAR	HELIOCENTRIC ORBIT				
1965-027A	TO 027BD	1314	US	03 APR	111.4	90.3	1316	1268	
1965-027B	SECOR (EGRS) 4	1315	US	03 APR	SEE NOTE 5*				
1965-027B	EARLY BIRD	1317	US	03 APR	111.4	90.3	1314	1264	
1965-028A		1318	ITSO	06 APR	1437.3	14.6	35842	35775	
1965-028B		1328	US	06 APR	NO CURRENT ELEMENTS				
1965-032A	EXPLORER 27	1358	US	29 APR	107.7	41.2	1312	929	
1965-032B		2011	US	29 APR	107.7	41.2	1313	931	
1965-032D		1359	US	29 APR	108.3	41.2	1267	1027	
1965-034A		1359	US	06 MAY	157.1	32.1	3745	2785	
1965-034B		1360	US	06 MAY	309.9	32.2	14788	2792	
1965-034C		1361	US	06 MAY	145.6	32.1	2801	2780	
1965-034D		2529	US	06 MAY	309.9	32.1	14794	2786	

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INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH					
1965-038A		1377	US	20 MAY	97.1	98.1	737	504	
1965-038B		1378	US	20 MAY	93.8	97.9	505	418	
1965-044A	LUNA 6	1393	USSR	08 JUN	HELIOCENTRIC ORBIT				
1965-048A	NNSS 30040	1420	US	24 JUN	106.6	90.1	1126	1014	
1965-048B		1428	US	24 JUN	106.4	90.1	1105	1018	
1965-048C		1425	US	24 JUN	106.7	90.1	1130	1021	
1965-048D		1435	US	24 JUN	105.8	90.1	1082	979	
1965-048E		2701	US	24 JUN	106.0	90.1	1084	995	
1965-048F		3592	US	24 JUN	106.0	90.1	1085	1000	
1965-048G		21945	US	24 JUN	105.6	90.1	1084	955	
1965-051A	TIROS 10	1430	US	02 JUL	100.1	98.8	807	722	
1965-051B		1433	US	02 JUL	99.5	98.7	772	699	
1965-051C		1440	US	02 JUL	93.7	98.6	483	432	
1965-051D		1529	US	02 JUL	101.4	99.0	854	799	
1965-056A	ZOND 3	1454	USSR	18 JUL	HELIOCENTRIC ORBIT				
1965-058A		1458	US	20 JUL	NO CURRENT ELEMENTS				
1965-058B		1459	US	20 JUL	NO CURRENT ELEMENTS				
1965-063A	SECOR (EGRS) 5	1506	US	10 AUG	122.2	69.2	2419	1134	
1965-063B		1502	US	10 AUG	122.2	69.2	2418	1136	
1965-064A	CENTAUR 6	1503	US	11 AUG	BARYCENTRIC ORBIT				
1965-065A	NNSS 30050	1504	US	13 AUG	107.7	90.0	1167	1070	
1965-065B		1508	US	13 AUG	107.5	89.8	1141	1081	
1965-065C		1510	US	13 AUG	105.5	90.0	1055	981	
1965-065D		1511	US	13 AUG	107.9	90.0	1184	1078	
1965-065E		1512	US	13 AUG	108.0	90.0	1186	1079	
1965-065F		1514	US	13 AUG	107.9	90.0	1183	1076	
1965-065G		1515	US	13 AUG	107.2	90.0	1145	1048	
1965-065H		1520	US	13 AUG	107.9	90.1	1180	1075	
1965-065J		1521	US	13 AUG	108.0	89.9	1187	1079	
1965-065K		1577	US	13 AUG	107.9	89.9	1179	1076	
1965-065L		1522	US	13 AUG	108.0	90.0	1187	1078	
1965-065P		3810	US	13 AUG	107.2	90.0	1145	1047	
1965-065Q		5265	US	13 AUG	107.8	89.8	1153	1093	
1965-070A	COSMOS 80	1570	USSR	03 SEP	115.0	56.1	1537	1368	
1965-070B	COSMOS 81	1571	USSR	03 SEP	115.3	56.1	1543	1395	
1965-070C	COSMOS 82	1572	USSR	03 SEP	115.7	56.1	1553	1417	
1965-070D	COSMOS 83	1573	USSR	03 SEP	116.0	56.1	1561	1443	
1965-070E	COSMOS 84	1574	USSR	03 SEP	116.4	56.1	1569	1469	
1965-070F		1575	USSR	03 SEP	114.6	56.1	1517	1354	
1965-070G		3045	USSR	03 SEP	115.9	55.5	1726	1261	
1965-072A		1580	US	10 SEP	101.2	98.5	995	635	
1965-072D		1583	US	10 SEP	100.1	98.5	911	616	
1965-072E		1931	US	10 SEP	101.7	99.0	1048	624	
1965-072F		1932	US	10 SEP	97.9	98.2	735	578	
1965-073A	COSMOS 86	1584	USSR	18 SEP	115.0	56.1	1623	1290	
1965-073B	COSMOS 87	1585	USSR	18 SEP	115.4	56.1	1636	1315	
1965-073C	COSMOS 88	1586	USSR	18 SEP	115.8	56.1	1648	1337	
1965-073D	COSMOS 89	1587	USSR	18 SEP	116.2	56.0	1658	1364	
1965-073E	COSMOS 90	1588	USSR	18 SEP	116.6	56.1	1667	1392	
1965-073F		1589	USSR	18 SEP	116.8	56.0	1677	1395	
1965-073G		1590	USSR	18 SEP	115.9	56.2	1614	1375	
1965-073H		1591	USSR	18 SEP	116.2	56.1	1643	1378	
1965-073J		1617	USSR	18 SEP	117.0	56.1	1737	1355	
1965-073K		1618	USSR	18 SEP	117.3	56.3	1743	1377	
1965-073L		2647	USSR	18 SEP	116.0	56.1	1645	1351	
1965-078A		1613	US	05 OCT	117.7	144.2	2751	407	
1965-078B		1616	US	05 OCT	116.3	144.2	2619	408	
1965-082B	TO 082UQ		US	15 OCT	SEE NOTE				7*

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1965-089A	EXPLORER 29	1726	US	06 NOV	120.3	59.4	2274	1113		
1965-089B		1729	US	06 NOV	120.3	59.4	2272	1112		
1965-089C		2700	US	06 NOV	119.1	59.6	2215	1068		
1965-089D		2888	US	06 NOV	121.3	59.2	2320	1156		
1965-091A	VENERA 2	1730	USSR	12 NOV	HELIOCENTRIC ORBIT					
1965-092D	EXPLORER 30	1736	USSR	16 NOV	100.2	59.7	875	664		
1965-093A		1738	US	19 NOV	99.8	59.7	825	673		
1965-093B		1739	US	19 NOV	97.8	59.7	695	609		
1965-093C		2013	US	19 NOV	97.8	59.7	827	687		
1965-093D	A-1	2088	US	19 NOV	100.0	59.7	1699	527		
1965-096A		1778	FRANCE	26 NOV	107.6	34.3	1570	522		
1965-096B		1805	FRANCE	26 NOV	106.1	34.3	1121	499		
1965-096D		1996	FRANCE	26 NOV	101.1	34.2	1121	499		
1965-098A	ALOUETTE 2 EXPLORER 31	1804	CANADA	29 NOV	118.3	79.8	2708	501		
1965-098B		1806	US	29 NOV	120.0	79.8	2859	501		
1965-098C		1807	US	29 NOV	118.8	79.8	2756	502		
1965-098D		1808	US	29 NOV	105.3	79.8	1540	474		
1965-098E	FR-1	1944	US	29 NOV	104.0	79.7	1423	468		
1965-098F		1948	US	29 NOV	113.2	79.9	2251	493		
1965-098G		1951	US	29 NOV	113.2	79.7	2258	492		
1965-098H		2092	US	29 NOV	118.5	79.9	2727	502		
1965-098J	PIONEER 6 COSMOS 100	2153	US	29 NOV	118.2	79.7	2698	502		
1965-101A		1814	FRANCE	06 DEC	98.8	75.9	708	696		
1965-101B		1815	US	06 DEC	98.5	75.9	695	683		
1965-105A		1841	US	16 DEC	HELIOCENTRIC ORBIT					
1965-106A	NNSS 30060	1843	USSR	17 DEC	95.1	65.0	578	465		
1965-106B		1844	USSR	17 DEC	94.1	65.0	490	461		
1965-109A		1864	US	22 DEC	104.6	89.1	1060	891		
1965-109B		1865	US	22 DEC	104.7	89.1	1066	895		
1965-109C	1966 LAUNCHES	2086	US	22 DEC	100.3	89.1	791	754		
1965-109D		2226	US	22 DEC	106.8	89.1	1269	887		
1965-109E		2353	US	22 DEC	104.9	89.4	1105	873		
1965-112Q		1937	USSR	28 DEC	94.1	55.9	488	458		
1966-005A	NNSS 30070	1952	US	28 JAN	105.5	89.9	1183	850		
1966-005B		1953	US	28 JAN	105.6	89.9	1193	852		
1966-005C		2140	US	28 JAN	107.2	90.1	1342	847		
1966-005D		2141	US	28 JAN	103.3	89.8	1016	813		
1966-005E	ESSA 1	2889	US	28 JAN	109.4	89.5	1326	1068		
1966-005F		2989	US	28 JAN	103.5	89.9	1013	835		
1966-005J		11991	US	28 JAN	105.0	89.9	1146	842		
1966-006D		2001	USSR	31 JAN	BARYCENTRIC ORBIT					
1966-008A	D-1A	1982	US	03 FEB	99.7	97.8	806	684		
1966-008B		1983	US	03 FEB	99.3	97.8	785	661		
1966-008C		2085	US	03 FEB	96.6	97.6	608	578		
1966-008D		2118	US	03 FEB	100.3	98.0	881	667		
1966-008E	ESSA 2	2154	US	03 FEB	99.1	97.8	761	670		
1966-013A		2016	FRANCE	17 FEB	115.9	34.1	2488	503		
1966-013B		2017	FRANCE	17 FEB	114.6	34.1	2367	502		
1966-013G		2161	FRANCE	17 FEB	107.7	34.1	1743	498		
1966-016A	NNSS 30080	2091	US	28 FEB	113.4	101.0	1412	1352		
1966-016B		2096	US	28 FEB	113.4	101.1	1412	1350		
1966-016C		2223	US	28 FEB	111.8	101.0	1381	1238		
1966-016D		2224	US	28 FEB	115.0	101.0	1562	1346		
1966-016E	1966-024A	6214	US	28 FEB	114.2	101.7	1509	1328		
1966-024A		2119	US	26 MAR	104.9	89.7	1099	879		

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES	
		CATALOG NUMBER	SOURCE	LAUNCH							
1966-024B	OV1-4	2120	US	26 MAR	105.0	89.8	1106	883			
1966-025A		2121	US	30 MAR	104.0	144.5	1008	884			
1966-025B	OV1-5	2122	US	30 MAR	105.6	144.6	1056	985			
1966-025C		2123	US	30 MAR	105.6	144.6	1056	986			
1966-025D		2124	US	30 MAR	104.0	144.5	1005	885			
1966-025E		3611	US	30 MAR	102.1	144.6	906	810			
1966-025G		5361	US	30 MAR	103.6	144.6	966	890			
1966-025H		5599	US	30 MAR	102.2	144.6	904	823			
1966-026A		2125	US	31 MAR	99.4	98.3	857	604			
1966-026B		2129	US	31 MAR	97.1	98.1	690	546			
1966-026D		2177	US	31 MAR	100.0	99.0	924	592			
1966-026F		2179	US	31 MAR	92.7	98.0	424	387			
1966-027A	LUNA 10	2126	USSR	31 MAR	SELENOCENTRIC ORBIT						
1966-027D		2130	USSR	31 MAR	HELIOCENTRIC ORBIT						
1966-027E		2131	USSR	31 MAR	BARYOCENTRIC ORBIT						
1966-027F		2132	USSR	31 MAR	BARYOCENTRIC ORBIT						
1966-031A	OA0 1	2142	US	08 APR	100.6	35.0	793	783			
1966-031B		2144	US	08 APR	100.2	35.0	776	763			
1966-034A	OV3-1	2150	US	22 APR	132.5	82.4	4119	341			
1966-034B		2167	US	22 APR	110.6	82.4	2186	321			
1966-040A	NIMBUS 2	2173	US	15 MAY	108.0	100.6	1174	1091			
1966-040B		2174	US	15 MAY	107.8	100.5	1166	1080			
1966-041A	NNSS 30090	2176	US	19 MAY	102.8	90.1	951	835			
1966-041B		2180	US	19 MAY	103.0	90.1	958	841			
1966-041C		2225	US	19 MAY	98.6	90.0	716	669			
1966-041D		2644	US	19 MAY	105.0	90.1	1157	828			
1966-041E		3591	US	19 MAY	102.9	90.1	951	836			
1966-041F		4555	US	19 MAY	101.6	90.0	882	786			
1966-045B		2187	US	30 MAY	BARYOCENTRIC ORBIT						
1966-049A		2195	US	07 JUN	NO CURRENT ELEMENTS						
1966-052A		OGO 3	2201	US	10 JUN	142.9	40.8	4703	645		
1966-052B			2206	US	10 JUN	142.5	40.9	4673	643		
1966-052C			2498	US	10 JUN	138.4	40.6	4381	585		
1966-052D			2516	US	10 JUN	144.5	41.0	4782	703		
1966-053A	PAGEOS 1	2207	US	16 JUN	NO CURRENT ELEMENTS						
1966-053B		2215	US	16 JUN	1334.5	11.7	33889	33657			
1966-053C		2216	US	16 JUN	NO CURRENT ELEMENTS						
1966-053D		2217	US	16 JUN	NO CURRENT ELEMENTS						
1966-053E		2218	US	16 JUN	NO CURRENT ELEMENTS						
1966-053F		2219	US	16 JUN	NO CURRENT ELEMENTS						
1966-053G		2220	US	16 JUN	NO CURRENT ELEMENTS						
1966-053H		2221	US	16 JUN	NO CURRENT ELEMENTS						
1966-053J		2222	US	16 JUN	1349.4	12.2	34738	33404			
1966-056A		2253	US	24 JUN	177.0	84.3	5599	2533			
1966-056AH	EXPLORER 33	9468	US	24 JUN	180.3	85.6	4513	3871			
1966-056B		2255	US	24 JUN	181.1	87.0	4281	4171			
1966-056C		2256	US	24 JUN	181.3	86.9	4275	4191			
1966-056D		2511	US	24 JUN	181.5	87.0	4257	4220			
1966-056G		8066	US	24 JUN	160.7	81.9	6372	450			
1966-056H		8074	US	24 JUN	173.1	87.2	6028	1793			
1966-058A		2258	US	01 JUL	NO CURRENT ELEMENTS						
1966-058C		2260	US	01 JUL	NO CURRENT ELEMENTS						
1966-063B		2327	US	14 JUL	103.9	144.2	959	928			
1966-063C		2328	US	14 JUL	105.2	144.2	1012	998			
1966-063D	OV3-3	2329	US	14 JUL	104.5	144.3	971	967			
1966-063E		2337	US	14 JUL	105.2	144.2	1006	997			
1966-070A		2389	US	04 AUG	121.9	81.4	3182	348			
1966-070D		2800	US	04 AUG	126.3	81.5	3507	411			

OBJECTS IN ORBIT

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1966-073B	PIONEER 7	2395	US	10 AUG	BARYOCENTRIC ORBIT				
1966-075A		2398	US	17 AUG	HELIOCENTRIC ORBIT			1037	
1966-075C		2402	US	18 AUG	HELIOCENTRIC ORBIT	88.9	1089	1042	
1966-076A	NNSS 30100	2401	US	18 AUG	88.9	1093		911	
1966-076B		2413	US	18 AUG	106.5	1059		1063	
1966-076C		2580	US	18 AUG	104.8	1198		3658	
1966-076D		2702	US	18 AUG	107.9	88.6	3708	3672	
1966-077A		2403	US	19 AUG	167.4	89.7	3700	3680	
1966-077B	SECOR (EGRS) 7	2411	US	19 AUG	167.5	89.7			
1966-077C	ERS 15	2412	US	19 AUG	SELENOCENTRIC ORBIT				
1966-078A	LUNA 11	2406	USSR	24 AUG	100.2	98.3	858	675	
1966-082A		2418	US	16 SEP	100.1	98.3	850	672	
1966-082B		2422	US	16 SEP	BARYOCENTRIC ORBIT				
1966-084B		2426	US	20 SEP	114.5	100.9	1483	1384	
1966-087A	ESSA 3	2435	US	02 OCT	114.5	100.9	1482	1381	
1966-087B		2436	US	02 OCT	115.8	100.8	1557	1429	
1966-087C		2518	US	02 OCT	113.2	100.9	1470	1277	
1966-087D		2775	US	02 OCT	112.5	101.9	1362	1323	
1966-087E		6213	US	02 OCT	114.3	101.7	1535	1307	
1966-087F		8791	US	02 OCT	167.5	90.0	3721	3656	
1966-089A	SECOR (EGRS) 8	2481	US	05 OCT	SELENOCENTRIC ORBIT				
1966-089B	LUNA 12	2520	US	05 OCT	717.7	16.9	37229	3123	
1966-094A		2508	USSR	22 OCT	BARYOCENTRIC ORBIT				
1966-095B		2513	US	25 OCT	455.6	18.1	26021	447	
1966-096A	INTELSAT 2 F-1	2514	ITSO	26 OCT	1436.0	14.3	35817	35750	
1966-096C		11792	US	26 OCT	140.0	99.1	4629	473	
1966-110A	ATS 1	2608	US	07 DEC	96.2	93.4	611	542	
1966-111A	OV1-9	2610	US	11 DEC	97.8	93.4	706	601	
1966-111B	OV1-10	2611	US	11 DEC	139.2	99.1	4562	474	
1966-111C		2621	US	11 DEC					
1966-111D		2622	US	11 DEC					

1967 LAUNCHES

1967-001A	INTELSAT 2 F-2	2639	ITSO	11 JAN	NO CURRENT ELEMENTS				
1967-001B	TO 001AU	2645	US	11 JAN	SEE NOTE 59*				59*
1967-003A		2649	US	18 JAN	NO CURRENT ELEMENTS				
1967-003B		2650	US	18 JAN	NO CURRENT ELEMENTS				
1967-003C		2651	US	18 JAN	NO CURRENT ELEMENTS				
1967-003D		2652	US	18 JAN	NO CURRENT ELEMENTS				
1967-003E		2653	US	18 JAN	NO CURRENT ELEMENTS				
1967-003F		2654	US	18 JAN	1336.4	9.0	34029	33594	
1967-003G		2655	US	18 JAN	NO CURRENT ELEMENTS				
1967-003H		2656	US	18 JAN	NO CURRENT ELEMENTS				
1967-003J		2660	US	18 JAN	NO CURRENT ELEMENTS				
1967-006A	ESSA 4	2657	US	26 JAN	113.4	102.0	1437	1323	
1967-006B		2661	US	26 JAN	113.5	102.1	1439	1338	
1967-006C		2706	US	26 JAN	114.2	102.1	1446	1390	
1967-006D		2707	US	26 JAN	112.5	101.8	1457	1228	
1967-006E		5971	US	26 JAN	113.1	101.9	1453	1280	
1967-010A		2669	US	08 FEB	101.1	99.1	846	771	
1967-010B		2741	US	08 FEB	101.0	99.1	847	767	
1967-011A	DIADEME 1	2674	FRANCE	08 FEB	101.2	40.0	1086	548	
1967-011B		2671	FRANCE	08 FEB	102.3	40.0	1177	558	
1967-014A	DIADEME 2	2680	FRANCE	15 FEB	108.5	39.5	1736	582	
1967-014B		2682	FRANCE	15 FEB	109.0	39.5	1782	564	
1967-014C		2684	FRANCE	15 FEB	106.2	40.0	1537	560	
1967-014F		2685	FRANCE	15 FEB	105.3	38.9	1459		

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1967-014J		14505	FRANCE	15 FEB		104.5	38.8	1372	571	
1967-014M		18911	FRANCE	15 FEB		108.4	38.9	1740	563	
1967-026A		18928	FRANCE	15 FEB		93.9	39.4	533	392	
1967-027Z	INTELSAT 2 F-3	2717	ITSO	23 MAR		NO	CURRENT ELEMENTS			
1967-034A		18270	US	03 APR		111.3	90.3	1309	1263	
1967-034B	NNSS 30120	2754	US	14 APR		106.2	90.1	1066	1035	
1967-034B		2755	US	14 APR		106.4	90.1	1071	1044	
1967-034C		2777	US	14 APR		103.2	90.3	1013	809	
1967-034D		2778	US	14 APR		108.2	90.1	1237	1045	
1967-034E		4843	US	14 APR		106.6	90.4	1091	1047	
1967-034H		22172	US	14 APR		106.1	90.1	1076	1013	
1967-035B		2764	US	17 APR		BARYOCENTRIC ORBIT				
1967-036A	ESSA 5	2757	US	20 APR		113.5	102.0	1419	1352	
1967-036B		2758	US	20 APR		113.5	101.9	1417	1354	
1967-036C		2976	US	20 APR		112.3	102.1	1408	1256	
1967-036D		2977	US	20 APR		114.5	101.4	1481	1388	
1967-040A		2765	US	28 APR		NO	CURRENT ELEMENTS			
1967-040B		2766	US	28 APR		NO	CURRENT ELEMENTS			
1967-040C	ERS 18	2767	US	28 APR		NO	CURRENT ELEMENTS			
1967-040D	ERS 20	2768	US	28 APR		NO	CURRENT ELEMENTS			
1967-040E	ERS 27	2769	US	28 APR		NO	CURRENT ELEMENTS			
1967-040F		2770	US	28 APR		NO	CURRENT ELEMENTS			
1967-043B		2780	US	09 MAY		91.1	84.9	342	317	
1967-045A	COSMOS 158	2801	USSR	15 MAY		100.3	74.0	811	729	
1967-045B		2802	USSR	15 MAY		100.0	74.0	811	707	
1967-048A	NNSS 30130	2807	US	18 MAY		106.7	89.6	1088	1060	
1967-048B		2811	US	18 MAY		106.8	89.6	1090	1063	
1967-048D		19222	US	18 MAY		92.7	89.5	433	383	
1967-053A		2826	US	31 MAY		101.5	69.9	831	823	
1967-053B		2825	US	31 MAY		103.2	70.0	914	900	
1967-053C	GRAVITY GRADIENT 4	2828	US	31 MAY		103.1	70.0	914	899	
1967-053D	GRAVITY GRADIENT 5	2834	US	31 MAY		103.2	70.0	917	903	
1967-053E		2847	US	31 MAY		102.9	70.0	903	891	
1967-053F		2872	US	31 MAY		103.1	70.0	910	897	
1967-053G		2873	US	31 MAY		103.1	70.0	913	899	
1967-053H		2874	US	31 MAY		103.2	70.0	916	902	
1967-053J		2909	US	31 MAY		101.2	70.0	818	808	
1967-053K		19245	US	31 MAY		102.6	70.0	888	872	
1967-060A	MARINER 5	2845	US	14 JUN		HELIOCENTRIC ORBIT				
1967-060B		2846	US	14 JUN		HELIOCENTRIC ORBIT				
1967-065A	SECOR (EGRS) 9	2861	US	29 JUN		172.1	90.1	3947	3791	
1967-065B	AURORA 1	2876	US	29 JUN		172.1	90.1	3948	3791	
1967-065C		2877	US	29 JUN		172.1	90.1	3951	3788	
1967-066A	TITAN 3 C-14	2862	US	01 JUL		NO	CURRENT ELEMENTS			
1967-066B		2863	US	01 JUL		NO	CURRENT ELEMENTS			
1967-066C		2864	US	01 JUL		1311.7	11.1	33555	33075	
1967-066D		2865	US	01 JUL		1313.6	11.1	33578	33129	
1967-066E		2866	US	01 JUL		1316.1	11.1	33609	33197	
1967-066F		2867	US	01 JUL		1319.1	11.1	33670	33258	
1967-066G	DODGE	2868	US	01 JUL		1319.1	11.1	33677	33251	
1967-068B		2883	US	14 JUL		BARYOCENTRIC ORBIT				
1967-070A	EXPLORER 35	2884	US	19 JUL		SELENOCENTRIC ORBIT				
1967-075B		2908	US	01 AUG		BARYOCENTRIC ORBIT				
1967-080A		2920	US	23 AUG		101.9	99.0	874	818	
1967-080B		2940	US	23 AUG		101.8	98.9	871	815	
1967-084B		2938	US	08 SEP		BARYOCENTRIC ORBIT				
1967-092A	NNSS 30140	2965	US	25 SEP		106.5	89.3	1100	1028	
1967-092B		2967	US	25 SEP		106.5	89.3	1100	1032	

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1967-092C		2994	US	25 SEP		103.7	89.4	1005	858	
1967-092D		3122	US	28 SEP		108.8	89.1	1318	1027	
1967-094A	INTELSAT 2 F-4	2969	ITSO	28 SEP		1435.4	14.3	35821	35724	
1967-094C		2971	US	28 SEP		NO	CURRENT ELEMENTS			
1967-096A		2980	US	11 OCT		99.2	99.2	797	639	
1967-096B		2985	US	11 OCT		99.0	99.2	785	634	
1967-104B		3019	USSR	27 OCT		95.5	64.1	649	438	
1967-111A	ATS 3	3029	US	05 NOV		1436.1	14.2	35844	35730	
1967-112B		3034	US	07 NOV		BARYOCENTRIC ORBIT				
1967-114A	ESSA 6	3035	US	10 NOV		114.8	102.2	1482	1407	
1967-114B		3036	US	10 NOV		114.8	102.2	1482	1408	
1967-114C		3051	US	10 NOV		114.1	101.5	1481	1343	
1967-114D		3123	US	10 NOV		115.4	102.6	1493	1449	
1967-114E		5443	US	10 NOV		114.6	101.7	1483	1386	
1967-116A	COSMOS 192	3047	USSR	23 NOV		99.2	74.0	725	717	
1967-116B		3048	USSR	23 NOV		99.1	74.0	719	708	
1967-123A	PIONEER 8	3066	US	13 DEC		HELIOCENTRIC ORBIT				
1967-127A	COSMOS 198	3081	USSR	27 DEC		103.4	65.1	947	887	
1968 LAUNCHES										
1968-001B		3092	US	07 JAN		BARYOCENTRIC ORBIT				
1968-002A	EXPLORER 36	3093	US	11 JAN		112.2	105.8	1572	1079	
1968-002B		3094	US	11 JAN		112.1	105.8	1562	1079	
1968-002C		3126	US	11 JAN		112.3	106.1	1579	1073	
1968-002D		3127	US	11 JAN		112.1	105.3	1570	1073	
1968-011A	COSMOS 203	3129	USSR	20 FEB		109.2	74.0	1199	1180	
1968-011B		3131	USSR	20 FEB		109.2	74.0	1202	1180	
1968-012A	NNSS 30180	3133	US	02 MAR		106.7	90.0	1130	1013	
1968-012B		3137	US	02 MAR		106.7	90.0	1133	1017	
1968-012C		3213	US	02 MAR		104.6	90.0	1078	874	
1968-012D		3214	US	02 MAR		108.6	90.1	1304	1015	
1968-013A	ZOND 4	3134	USSR	02 MAR		HELIOCENTRIC ORBIT				
1968-014A	OGO 5	3138	US	04 MAR		NO	CURRENT ELEMENTS			
1968-014B		3145	US	04 MAR		NO	CURRENT ELEMENTS			
1968-014B		3158	USSR	22 MAR		103.0	65.3	932	872	
1968-023A	COSMOS 209	3173	US	06 APR		198.8	99.9	9238	568	
1968-026A	OV1-13	3174	US	06 APR		207.1	100.0	9882	552	
1968-026B	OV1-14	3177	US	06 APR		207.0	100.0	9876	547	
1968-026C		3212	US	06 APR		198.3	99.9	9194	579	
1968-026D		3178	USSR	07 APR		SELENOCENTRIC ORBIT				
1968-027A	LUNA 14	3229	USSR	07 MAY		98.1	74.0	700	639	
1968-040A	COSMOS 220	3230	USSR	07 MAY		97.8	74.0	683	622	
1968-040B		3266	USSR	23 MAY		101.8	98.9	883	806	
1968-042A		3271	US	23 MAY		101.8	98.8	880	803	
1968-042B		3284	US	13 JUN		1335.2	11.8	33858	33715	
1968-050A		3285	US	13 JUN		NO	CURRENT ELEMENTS			
1968-050B		3286	US	13 JUN		NO	CURRENT ELEMENTS			
1968-050C		3287	US	13 JUN		NO	CURRENT ELEMENTS			
1968-050D		3288	US	13 JUN		NO	CURRENT ELEMENTS			
1968-050E		3289	US	13 JUN		NO	CURRENT ELEMENTS			
1968-050F		3290	US	13 JUN		NO	CURRENT ELEMENTS			
1968-050G		3291	US	13 JUN		NO	CURRENT ELEMENTS			
1968-050H		3292	US	13 JUN		1363.7	12.5	35027	33687	
1968-050J		3307	US	04 JUL		224.2	120.8	5869	5825	
1968-055A	EXPLORER 38	3315	US	04 JUL		155.7	120.7	5726	689	
1968-055B		3848	US	04 JUL		224.1	120.9	5864	5823	
1968-055C		4841	US	04 JUL		155.3	120.8	5748	633	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES	
			SOURCE	LAUNCH							
1968-063A	EXPLORER 40	3334	US	06 AUG	NO ELEMENTS AVAILABLE	117.9	80.7	2494	677		
1968-066B		3338	US	08 AUG	NO ELEMENTS AVAILABLE	117.7	80.7	2480	678		
1968-066C		3341	US	08 AUG	NO ELEMENTS AVAILABLE	107.0	80.6	1544	630		
1968-066D		3342	US	08 AUG	NO ELEMENTS AVAILABLE	102.6	80.6	1188	578		
1968-066E		3343	US	08 AUG	NO ELEMENTS AVAILABLE	108.1	80.6	1636	641		
1968-066F		3390	US	08 AUG	NO ELEMENTS AVAILABLE	106.9	80.7	1546	617		
1968-066G		3391	US	08 AUG	NO ELEMENTS AVAILABLE	110.9	80.7	1866	665		
1968-066H		3392	US	08 AUG	NO ELEMENTS AVAILABLE	108.7	80.6	1684	645		
1968-066J		3393	US	08 AUG	NO ELEMENTS AVAILABLE	114.9	101.4	1471	1428		
1968-069A		3345	US	16 AUG	NO ELEMENTS AVAILABLE	114.8	101.4	1463	1426		
1968-069B	3416	US	16 AUG	NO ELEMENTS AVAILABLE	113.6	101.9	1485	1299			
1968-069C	3417	US	16 AUG	NO ELEMENTS AVAILABLE	116.1	102.2	1557	1455			
1968-069D	3974	US	16 AUG	NO ELEMENTS AVAILABLE	114.9	102.1	1477	1421			
1968-069E	3975	US	16 AUG	NO ELEMENTS AVAILABLE	114.8	101.5	1482	1414			
1968-069F	4499	US	16 AUG	NO ELEMENTS AVAILABLE	115.1	101.4	1480	1435			
1968-069G	3428	US	26 SEP	NO CURRENT ELEMENTS	1417.9	12.3	35779	35081			
1968-081A	3430	US	26 SEP	NO CURRENT ELEMENTS	1435.7	12.6	35807	35751			
1968-081C	ERS 21	3431	US	26 SEP	NO CURRENT ELEMENTS	1418.5	12.3	35835	35048		
1968-081D	LES 6	3432	US	26 SEP	NO CURRENT ELEMENTS	111.5	62.3	2094	493		
1968-081E	COSMOS 249	3504	USSR	20 OCT	SEE NOTE	SEE NOTE	8*			8*	
1968-091A		USSR	20 OCT	SEE NOTE	SEE NOTE	SEE NOTE	8*				
1968-091B		3510	US	23 OCT	SEE NOTE	SEE NOTE	8*				
1968-092A		3522	US	23 OCT	SEE NOTE	SEE NOTE	8*				
1968-092B		3530	US	23 OCT	SEE NOTE	SEE NOTE	8*				
1968-097A		3533	USSR	01 NOV	SEE NOTE	SEE NOTE	8*				
1968-097B		3576	USSR	01 NOV	SEE NOTE	SEE NOTE	8*				
1968-100A		PIONEER 9	3577	US	08 NOV	HELIOCENTRIC ORBIT	109.3	74.0	1221	1169	
1968-106A		COSMOS 256	3577	USSR	30 NOV	HELIOCENTRIC ORBIT	109.2	74.0	1216	1161	
1968-106B		OAO-A2	3597	US	07 DEC	HELIOCENTRIC ORBIT	99.9	35.0	759	750	
1968-110A	ESSA 8	3598	US	07 DEC	HELIOCENTRIC ORBIT	99.6	35.0	777	698		
1968-110B		3605	US	12 DEC	HELIOCENTRIC ORBIT	114.3	80.4	1466	1378		
1968-112C		3617	US	12 DEC	HELIOCENTRIC ORBIT	114.0	80.2	1444	1372		
1968-112D		3618	US	12 DEC	HELIOCENTRIC ORBIT	114.7	80.5	1506	1373		
1968-112E		3840	US	12 DEC	HELIOCENTRIC ORBIT	114.4	80.6	1453	1403		
1968-114A		3615	US	15 DEC	HELIOCENTRIC ORBIT	114.6	101.8	1461	1411		
1968-114B		3616	US	15 DEC	HELIOCENTRIC ORBIT	115.0	101.8	1467	1446		
1968-114C		3811	US	15 DEC	HELIOCENTRIC ORBIT	112.8	101.9	1462	1248		
1968-114D		3812	US	15 DEC	HELIOCENTRIC ORBIT	116.3	102.4	1571	1458		
1968-116A		INTELSAT 3 F-2	3623	ITSO	19 DEC	HELIOCENTRIC ORBIT	1475.2	14.7	37122	35974	
1968-118B		3627	US	21 DEC	HELIOCENTRIC ORBIT						
1969 LAUNCHES											
1969-009A	ISIS 1	3669	CANADA	30 JAN	NO CURRENT ELEMENTS	127.7	88.4	3471	574		
1969-009B		3670	US	30 JAN	NO CURRENT ELEMENTS	126.6	88.4	3378	573		
1969-010B		3673	US	05 FEB	NO CURRENT ELEMENTS	114.0	80.4	1430	1390		
1969-010C		3841	US	05 FEB	NO CURRENT ELEMENTS	113.7	80.2	1419	1370		
1969-011A		3674	ITSO	06 FEB	NO CURRENT ELEMENTS	463.6	29.5	26634	296		
1969-011B		5977	US	06 FEB	NO CURRENT ELEMENTS	NO CURRENT ELEMENTS	NO CURRENT ELEMENTS	NO CURRENT ELEMENTS			
1969-013A		3691	US	09 FEB	NO CURRENT ELEMENTS	NO CURRENT ELEMENTS	NO CURRENT ELEMENTS	NO CURRENT ELEMENTS			
1969-013B		3692	US	09 FEB	NO CURRENT ELEMENTS	NO CURRENT ELEMENTS	NO CURRENT ELEMENTS	NO CURRENT ELEMENTS			
1969-014A		MARINER 6	3759	US	25 FEB	HELIOCENTRIC ORBIT	115.2	101.4	1503	1422	
1969-014B		3760	US	25 FEB	HELIOCENTRIC ORBIT	115.1	101.4	1497	1417		
1969-016A	ESSA 9	3764	US	26 FEB	HELIOCENTRIC ORBIT	115.2	101.4	1503	1422		
1969-016B		3767	US	26 FEB	HELIOCENTRIC ORBIT	115.1	101.4	1497	1417		
1969-018B		3770	US	03 MAR	HELIOCENTRIC ORBIT	109.2	74.0	1206	1176		
1969-024A		COSMOS 272	3818	USSR	17 MAR	HELIOCENTRIC ORBIT	109.2	74.0	1206	1176	
1969-024A											
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INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1969-024B		3819	USSR	17 MAR		109.1	74.0	1194	1177	
1969-024C		6289	USSR	17 MAR		108.8	74.0	1180	1162	
1969-025C	OV1-19	3825	US	18 MAR		151.5	104.7	5590	478	
1969-025E		3827	US	18 MAR		150.3	104.7	5488	487	
1969-029A	METEOR	3835	USSR	26 MAR		96.0	81.2	579	552	
1969-030A	MARINER 7	3837	US	27 MAR		HELIOCENTRIC ORBIT				
1969-030B		3845	US	27 MAR		HELIOCENTRIC ORBIT				
1969-036A		3889	US	13 APR		NO ELEMENTS AVAILABLE				
1969-037A		3890	US	14 APR		107.2	100.0	1128	1069	
1969-037B		3891	US	14 APR		107.2	100.0	1127	1067	
1969-037C		3892	US	14 APR		107.3	100.0	1132	1072	
1969-043B		3943	US	18 MAY		HELIOCENTRIC ORBIT				
1969-043C	LM/DESCENT	3948	US	18 MAY		SELENOCENTRIC ORBIT				
1969-043D	LM/ASCENT	3949	US	18 MAY		HELIOCENTRIC ORBIT				
1969-045A	INTELSAT 3 F-4	3947	ITSO	22 MAY		NO CURRENT ELEMENTS				
1969-046A		3950	US	23 MAY		NO CURRENT ELEMENTS				
1969-046B	OV5-5/ERS-29	3951	US	23 MAY		NO CURRENT ELEMENTS				
1969-046C		3952	US	23 MAY		NO CURRENT ELEMENTS				
1969-046D		3954	US	23 MAY		6700.9	61.6	145637	77081	
1969-046E		3955	US	23 MAY		6700.7	61.0	150633	72080	
1969-046F		3956	US	23 MAY		NO CURRENT ELEMENTS				
1969-053B		3993	US	21 JUN		NO CURRENT ELEMENTS				
1969-059B		4040	US	16 JUL		HELIOCENTRIC ORBIT				
1969-059C	LUNAR MODULE	4041	US	16 JUL		SELENOCENTRIC ORBIT				
1969-062A		4047	US	23 JUL		100.9	98.8	834	768	
1969-062B		4048	US	23 JUL		100.8	98.7	829	765	
1969-064C		4053	US	26 JUL		122.6	30.3	3334	262	
1969-069A	ATS 5	4068	US	12 AUG		1447.5	13.9	36031	35986	
1969-069B		4069	US	12 AUG		703.3	16.8	37238	2398	
1969-069C		5991	US	12 AUG		682.2	17.2	36497	2086	
1969-069D		21052	US	12 AUG		1466.7	14.1	36913	35852	
1969-070A		4070	USSR	13 AUG		99.3	74.0	733	720	
1969-070B	COSMOS 292	4071	USSR	13 AUG		99.7	74.1	760	697	
1969-070C		4084	USSR	13 AUG		99.7	74.1	760	727	
1969-070D		18912	USSR	13 AUG		98.2	74.0	705	644	
1969-082L	TO 082LF		US	30 SEP		SEE NOTE 11*				
1969-082B		4256	US	30 SEP		103.1	70.0	921	891	
1969-082C		4257	US	30 SEP		103.2	70.0	928	895	
1969-082D		4259	US	30 SEP		103.3	70.0	930	897	
1969-082E		4237	US	30 SEP		103.3	70.0	929	896	
1969-082F		4247	US	30 SEP		103.3	70.0	928	896	
1969-082G		4295	US	30 SEP		103.3	70.0	929	896	
1969-082H		4168	US	30 SEP		103.2	70.0	928	896	
1969-082J		4166	US	30 SEP		101.0	70.0	812	798	
1969-082K		4132	US	30 SEP		102.1	70.0	812	798	
1969-084A	METEOR	4119	USSR	06 OCT		95.4	81.2	553	519	
1969-084B		4120	USSR	06 OCT		94.0	81.2	508	433	
1969-091A	COSMOS 304	4138	USSR	21 OCT		99.6	74.0	749	731	
1969-091B		4139	USSR	21 OCT		98.9	74.0	710	703	
1969-097A	GRS-A/AZUR	4221	FRG	08 NOV		110.8	102.8	2155	371	
1969-097B		4222	US	08 NOV		100.8	102.8	1243	349	
1969-099B		4226	US	14 NOV		NO CURRENT ELEMENTS				
1969-099B		4226	US	14 NOV		1436.1	13.4	35895	35676	
1969-101A	SKYNET A	4250	UK	22 NOV		NO CURRENT ELEMENTS				
1969-101B		4251	US	22 NOV		108.5	74.0	1173	1138	
1969-103A		4254	USSR	24 NOV		108.3	74.0	1156	1138	
1969-103B	COSMOS 312	4255	USSR	24 NOV		108.3	74.0	1156	1138	

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INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH					
1970 LAUNCHES									
1970-003A	INTELSAT 3 F-6	4297	ITSO	15 JAN	NO CURRENT ELEMENTS				
1970-003B	ITOS 1	4298	US	15 JAN	521.7	27.7	29856	320	
1970-008A	OSCAR 5	4320	US	23 JAN	115.0	101.3	1477	1431	
1970-008B		4321	AUSTRAL	23 JAN	115.0	101.3	1475	1431	
1970-008C	SERT 2	4322	US	23 JAN	115.0	101.4	1477	1432	
1970-009A	OHSUMI	4327	US	04 FEB	106.0	99.2	1044	1038	
1970-011A		4330	JAPAN	11 FEB	114.6	31.0	2548	325	
1970-012A		4331	US	11 FEB	100.8	98.9	840	750	
1970-012B		4332	US	11 FEB	100.8	98.9	844	751	
1970-021A	NATO 1	4353	NATO	20 MAR	1436.2	12.9	35798	35778	
1970-021B		4354	US	20 MAR	520.9	25.2	29795	338	
1970-021C		5975	US	20 MAR	538.2	25.7	30749	327	
1970-025A	NIMBUS 4	4362	US	08 APR	107.1	99.9	1096	1086	
1970-025C			US	08 APR	SEE NOTE		12*		12*
1970-025B	TOPO 1	4363	US	08 APR	106.9	99.8	1084	1082	
1970-027A		4366	US	08 APR	6691.0	61.2	121226	101260	
1970-027B		4368	US	08 APR	6707.9	57.3	119313	103569	
1970-028A	COSMOS 332	4369	USSR	11 APR	99.4	74.0	736	727	
1970-028B		4370	USSR	11 APR	99.1	74.0	727	703	
1970-028C		14814	USSR	11 APR	98.4	74.0	688	674	
1970-032A	INTELSAT 3 F-7	4376	ITSO	23 APR	NO CURRENT ELEMENTS				
1970-032B		4377	US	23 APR	NO CURRENT ELEMENTS				
1970-034A	MAO 1	4382	PRC	24 APR	111.6	68.4	2169	432	
1970-034B		4392	PRC	24 APR	100.4	68.4	1146	411	
1970-036A	COSMOS 336	4383	USSR	25 APR	115.4	74.0	1483	1462	
1970-036B	COSMOS 337	4384	USSR	25 APR	116.2	74.0	1550	1465	
1970-036C	COSMOS 338	4385	USSR	25 APR	115.8	74.0	1516	1465	
1970-036D	COSMOS 339	4386	USSR	25 APR	115.0	74.0	1467	1442	
1970-036E	COSMOS 340	4387	USSR	25 APR	114.6	74.0	1468	1405	
1970-036F	COSMOS 341	4388	USSR	25 APR	113.9	74.0	1467	1339	
1970-036G	COSMOS 342	4389	USSR	25 APR	113.5	74.0	1466	1308	
1970-036H	COSMOS 343	4390	USSR	25 APR	114.2	74.0	1466	1373	
1970-036J		4391	USSR	25 APR	116.6	74.0	1585	1466	
1970-037A	METEOR	4393	USSR	28 APR	95.9	81.2	582	538	
1970-037B		4394	USSR	28 APR	96.6	81.2	665	524	
1970-046A		4418	US	19 JUN	NO ELEMENTS AVAILABLE				
1970-046B		4511	US	19 JUN	NO ELEMENTS AVAILABLE				
1970-047A	METEOR	4419	USSR	23 JUN	101.8	81.2	873	815	
1970-047B		4420	USSR	23 JUN	102.0	81.2	919	790	
1970-055A	INTELSAT 3 F-8	4478	ITSO	23 JUL	1408.2	13.9	36634	33842	
1970-055B		4486	US	23 JUL	NO CURRENT ELEMENTS				
1970-062A	SKYNET B	4493	UK	19 AUG	NO CURRENT ELEMENTS				
1970-067A	NNSS 30190	4507	US	27 AUG	106.7	90.0	1203	944	
1970-067B		4515	US	27 AUG	106.8	90.0	1207	946	
1970-067C		5036	US	27 AUG	102.8	90.1	908	870	
1970-067D		5447	US	27 AUG	109.1	90.0	1429	942	
1970-069A		4510	US	01 SEP	NO ELEMENTS AVAILABLE				
1970-070A		4512	US	03 SEP	100.6	98.9	837	739	
1970-070B		4513	US	03 SEP	100.7	99.0	843	741	
1970-079A	COSMOS 367	4564	USSR	03 OCT	104.5	65.3	1005	933	
1970-083A	COSMOS 371	4578	USSR	12 OCT	99.3	74.0	728	723	
1970-083B		4579	USSR	12 OCT	99.0	74.0	721	703	
1970-085A	METEOR	4583	USSR	15 OCT	93.8	81.2	462	461	
1970-085B		4584	USSR	15 OCT	94.6	81.2	546	454	
1970-086A	COSMOS 372	4588	USSR	16 OCT	100.4	74.1	787	767	

OBJECTS IN ORBIT

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1970-086B		4589	USSR	16 OCT	100.2	74.1	781	749	
1970-086C		5357	USSR	16 OCT	98.2	74.0	680	669	
1970-086D		5358	USSR	16 OCT	99.1	74.0	720	711	
1970-089A	COSMOS 374	4594	USSR	23 OCT	106.9	63.0	1649	514	13*
1970-089B	TO 089DG		USSR	23 OCT	SEE NOTE		13*		
1970-091A	COSMOS 375	4598	USSR	30 OCT	111.3	62.8	1999	574	15*
1970-091B	TO 091AX		USSR	30 OCT	SEE NOTE		15*		
1970-093A		4630	US	06 NOV	1197.9	16.3	36121	25847	
1970-093B		4632	US	06 NOV	1197.7	16.3	36150	25812	
1970-102A	COSMOS 381	4783	USSR	02 DEC	104.8	74.0	1005	959	
1970-102B		4784	USSR	02 DEC	104.6	74.0	997	957	
1970-102D		5225	USSR	02 DEC	104.0	74.0	960	934	
1970-102E		8764	USSR	02 DEC	104.2	74.0	971	939	
1970-102F		9794	USSR	02 DEC	98.6	74.0	691	688	
1970-103A	COSMOS 382	4786	USSR	02 DEC	171.0	55.9	5264	2389	
1970-103B		4789	USSR	02 DEC	158.8	51.6	5086	1585	
1970-103C		4790	USSR	02 DEC	159.1	51.6	5089	1608	
1970-103G		12854	USSR	02 DEC	144.1	50.3	3951	1505	
1970-106A	NOAA 1	4793	US	11 DEC	114.8	101.3	1477	1421	
1970-106B		4794	US	11 DEC	114.9	101.3	1470	1420	
1970-106C		8828	US	11 DEC	116.4	102.4	1537	1496	
1970-108A	COSMOS 385	4799	USSR	12 DEC	104.6	74.0	978	972	
1970-108B		4800	USSR	12 DEC	104.5	74.0	975	962	
1970-109B		4802	FRANCE	12 DEC	96.2	15.0	600	549	
1970-113A	COSMOS 389	4813	USSR	18 DEC	95.9	81.2	574	545	
1970-113B		4814	USSR	18 DEC	96.5	81.2	633	544	
1971 LAUNCHES									
1971-003A	METEOR	4849	USSR	20 JAN	95.6	81.2	554	540	
1971-003B		4850	USSR	20 JAN	95.3	81.2	582	488	
1971-003C		18277	USSR	20 JAN	93.6	81.2	479	426	
1971-006A	INTELSAT 4 F-2	4881	ITSO	26 JAN	1456.9	12.6	36246	36140	
1971-006B		4882	US	26 JAN	653.3	27.5	36480	644	
1971-009A	NATO 2	4902	NATO	03 FEB	1436.1	13.7	35830	35744	
1971-009B		4903	US	03 FEB	NO CURRENT ELEMENTS				
1971-009D		5986	US	03 FEB	NO CURRENT ELEMENTS				
1971-010A	COSMOS 394	4922	USSR	09 FEB	95.4	65.8	560	517	
1971-011A	TANSEI 1	4952	JAPAN	16 FEB	106.1	29.7	1106	987	
1971-011B		5126	JAPAN	16 FEB	104.8	29.7	994	974	
1971-012A		4953	US	17 FEB	100.3	98.7	800	741	
1971-012B		4954	US	17 FEB	100.4	98.7	802	747	
1971-015A	COSMOS 397	4964	USSR	25 FEB	113.2	65.7	2167	575	
1971-015B	TO 015DV		USSR	25 FEB	SEE NOTE		16*		16*
1971-016A	COSMOS 398	4966	USSR	26 FEB	112.7	51.5	2510	190	
1971-020A	COSMOS 400	5050	USSR	18 MAR	104.9	65.8	1000	981	
1971-020B		5051	USSR	18 MAR	104.7	65.8	1023	938	
1971-020C		5052	USSR	18 MAR	104.9	65.8	996	981	
1971-021A		5053	US	21 MAR	NO ELEMENTS AVAILABLE				
1971-021B		5054	US	21 MAR	NO ELEMENTS AVAILABLE				
1971-024A	ISIS 2	5104	CANADA	01 APR	113.5	88.2	1421	1355	
1971-024B		5106	US	01 APR	113.5	88.2	1418	1351	
1971-024C		5360	US	01 APR	113.5	88.3	1420	1357	
1971-025A	COSMOS 402	5105	USSR	01 APR	104.9	65.0	1030	946	
1971-028A	COSMOS 405	5117	USSR	07 APR	96.7	81.2	604	597	
1971-028B		5118	USSR	07 APR	96.9	81.2	659	564	
1971-028D		5724	USSR	07 APR	95.9	81.2	564	557	
1971-031B		5143	USSR	17 APR	94.6	81.2	531	462	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1971-035A	COSMOS 407	5174	USSR	23 APR	100.6	74.0	800	773		
1971-035B		5175	USSR	23 APR	100.4	74.0	799	753		
1971-035C		5300	USSR	23 APR	99.4	74.0	736	720		
1971-035D		5301	USSR	23 APR	99.8	74.0	761	737		
1971-038A	COSMOS 409	5180	USSR	28 APR	109.2	74.0	1208	1175		
1971-038B		5181	USSR	28 APR	109.0	74.0	1222	1140		
1971-039A		5204	US	05 MAY	NO ELEMENTS AVAILABLE					
1971-039B		5205	US	05 MAY	NO ELEMENTS AVAILABLE					
1971-041A	COSMOS 411	5210	USSR	07 MAY	113.8	74.0	1488	1313		
1971-041B		5211	USSR	07 MAY	116.1	74.0	1532	1478		
1971-041C		5212	USSR	07 MAY	115.7	74.0	1505	1471		
1971-041D		5213	USSR	07 MAY	115.1	74.0	1491	1425		
1971-041E		5214	USSR	07 MAY	115.4	74.0	1498	1448		
1971-041F		5215	USSR	07 MAY	114.4	74.0	1490	1368		
1971-041G		5216	USSR	07 MAY	114.1	74.0	1490	1340		
1971-041H		5217	USSR	07 MAY	114.7	74.0	1490	1397		
1971-041J		5218	USSR	07 MAY	116.8	74.0	1591	1484		
1971-045A	MARS 2	5234	USSR	19 MAY	MARS ORBIT					
1971-046A	COSMOS 422	5238	USSR	22 MAY	104.9	74.0	1003	980		
1971-046B		5239	USSR	22 MAY	104.8	74.0	994	977		
1971-049A	MARS 3	5252	USSR	28 MAY	MARS ORBIT					
1971-051A		5261	US	30 MAY	MARS ORBIT					
1971-051B	COSMOS 426	5267	US	30 MAY	MARS ORBIT					
1971-052A		5281	USSR	04 JUN	99.8	74.0	1143	355		
1971-052B		5282	USSR	04 JUN	100.8	74.0	1237	358		
1971-059B		5328	USSR	16 JUL	94.8	81.2	545	474		
1971-063D	APOLLO 15 SUBSATELLITE	5377	US	26 JUL	SELENOCENTRIC ORBIT					
1971-067B	OV1-21	5397	US	07 AUG	101.7	87.6	898	776		
1971-067E		5398	US	07 AUG	101.0	87.6	859	754		
1971-067J		5405	US	07 AUG	96.3	87.6	602	564		
1971-067K		5395	US	07 AUG	100.9	87.6	852	751		
1971-067L		5399	US	07 AUG	96.8	87.6	624	582		
1971-067M		5400	US	07 AUG	96.5	87.6	607	571		
1971-067N		5384	US	07 AUG	101.4	87.6	885	760		
1971-069C		5426	USSR	12 AUG	99.5	49.6	817	655		
1971-071A		5435	FRANCE	16 AUG	99.7	50.2	837	652		
1971-071B		5438	US	16 AUG	99.6	50.2	832	648		
1971-071C	SHINSEI	5440	US	16 AUG	96.5	50.7	637	545		
1971-073B		5449	USSR	02 SEP	SELENOCENTRIC ORBIT					
1971-080A		5485	JAPAN	28 SEP	113.1	32.1	1865	873		
1971-080B		5498	JAPAN	28 SEP	111.9	32.0	1756	870		
1971-082A		5488	USSR	28 SEP	SELENOCENTRIC ORBIT					
1971-082C		5490	USSR	28 SEP	SELENOCENTRIC ORBIT					
1971-086A		5547	USSR	13 OCT	114.1	74.0	1505	1319		
1971-086B		5548	USSR	13 OCT	114.4	74.0	1509	1348		
1971-086C		5549	USSR	13 OCT	114.8	74.0	1511	1377		
1971-086D		5550	USSR	13 OCT	115.1	74.0	1512	1408		
1971-086E	COSMOS 444	5551	USSR	13 OCT	115.5	74.0	1514	1438		
1971-086F		5552	USSR	13 OCT	116.2	74.0	1540	1480		
1971-086G		5553	USSR	13 OCT	115.8	74.0	1527	1459		
1971-086H		5554	USSR	13 OCT	116.6	74.0	1570	1488		
1971-086J		5555	USSR	13 OCT	117.3	74.0	1621	1500		
1971-087A	COSMOS 445	5557	US	14 OCT	101.1	99.2	851	772		
1971-087B		5556	US	14 OCT	101.3	99.2	868	774		
1971-089A		5560	US	17 OCT	99.8	92.7	764	736		
1971-093A		5580	UK	28 OCT	104.5	82.0	1407	531		
1971-093B		5581	UK	28 OCT	104.6	82.0	1416	531		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1971-095A	COSMOS 457	5587	US	03 NOV	1436.0	13.2	35816	35751		
1971-095B		5588	US	03 NOV	1436.2	13.1	35793	35784		
1971-095C		5589	US	03 NOV	1481.7	13.9	37369	35980		
1971-099A		5614	USSR	20 NOV	109.4	74.0	1215	1181		
1971-099B		5615	USSR	20 NOV	109.3	74.0	1208	1176		
1971-110A		5678	US	14 DEC	NO	ELEMENTS AVAILABLE				
1971-110B		5679	US	14 DEC	NO	ELEMENTS AVAILABLE				
1971-110C		5680	US	14 DEC	NO	ELEMENTS AVAILABLE				
1971-110D		5681	US	14 DEC	NO	ELEMENTS AVAILABLE				
1971-110E		5682	US	14 DEC	NO	ELEMENTS AVAILABLE				
1971-111A	COSMOS 465	5683	USSR	15 DEC	104.8	74.0	1004	963		
1971-111B	COSMOS 468	5685	USSR	15 DEC	104.6	74.0	994	958		
1971-111C		5705	USSR	17 DEC	100.4	74.0	789	769		
1971-114A		5707	USSR	17 DEC	100.3	74.0	790	755		
1971-114B		5778	USSR	17 DEC	99.7	74.0	753	732		
1971-114C		5858	USSR	17 DEC	99.6	74.0	745	728		
1971-114D	INTELSAT 4 F-3	5709	ITSO	20 DEC	1445.5	10.3	36013	35928		
1971-116A		5721	USSR	25 DEC	104.6	64.5	993	962		
1971-117A		5729	USSR	27 DEC	109.0	74.0	1967	389		
1971-119A		5730	USSR	27 DEC	108.2	73.9	1901	387		
1971-119B		5731	USSR	29 DEC	102.5	81.3	912	837		
1971-120A	METEOR	5732	USSR	29 DEC	102.0	81.3	873	837		
1971-120B		8826	USSR	29 DEC	100.8	81.2	810	783		
1971-120C		8827	USSR	29 DEC	101.9	81.3	858	838		
1971-120D		15344	USSR	29 DEC	97.4	81.2	645	623		
1971-120F										
1972 LAUNCHES										
1972-003A	INTELSAT 4 F-4	5775	ITSO	23 JAN	1442.4	9.7	35921	35896		
1972-003B		5816	US	23 JAN	652.9	28.4	36498	606		
1972-007B		5836	USSR	14 FEB	SELENOCENTRIC ORBIT					
1972-009A		5846	USSR	25 FEB	104.6	74.0	993	961		
1972-009B		5847	USSR	25 FEB	104.4	74.0	989	945		
1972-010A		5851	US	01 MAR	NO	ELEMENTS AVAILABLE				
1972-010B		5854	US	01 MAR	NO	ELEMENTS AVAILABLE				
1972-011B		5853	USSR	01 MAR	93.1	81.2	446	409		
1972-012A		5860	US	03 MAR	HELIOCENTRIC ORBIT					
1972-012B		5861	US	03 MAR	HELIOCENTRIC ORBIT					
1972-018A	COSMOS 480	5903	US	24 MAR	101.3	98.9	858	782		
1972-018B		5904	US	24 MAR	101.3	98.9	854	783		
1972-019A		5905	USSR	25 MAR	109.1	83.0	1197	1168		
1972-019B		5907	USSR	25 MAR	108.9	83.0	1190	1161		
1972-022A		5917	USSR	30 MAR	102.3	81.2	877	854		
1972-022B	METEOR	5918	USSR	30 MAR	102.5	81.2	917	832		
1972-023E		6073	USSR	31 MAR	157.1	52.2	6322	211		
1972-029A		5941	USSR	14 APR	NO	CURRENT ELEMENTS				
1972-031C		6005	US	16 APR	SELENOCENTRIC ORBIT					
1972-035A		6019	USSR	06 MAY	104.7	74.0	996	960		
1972-035B	COSMOS 489	6020	USSR	06 MAY	104.5	74.0	985	954		
1972-041A		6052	ITSO	13 JUN	1438.6	10.7	35858	35811		
1972-041B		6058	US	13 JUN	650.1	26.9	36411	549		
1972-043A		6059	USSR	23 JUN	100.4	74.1	786	772		
1972-043B		6061	USSR	23 JUN	100.2	74.1	783	751		
1972-043C	COSMOS 494	6063	USSR	23 JUN	99.3	74.1	733	721		
1972-043D		6065	USSR	23 JUN	99.7	74.1	754	729		
1972-049A		6079	USSR	30 JUN	102.7	81.2	927	876		
1972-049B		6080	USSR	30 JUN	102.8	81.2	927	856		
1972-049C		20348	USSR	30 JUN	102.8	81.2	926	855		

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH					
1972-057A	COSMOS 504	6117	USSR	20 JUL	113.9	74.0	1493	1319	
1972-057B	COSMOS 505	6118	USSR	20 JUL	114.3	74.0	1494	1349	
1972-057C	COSMOS 506	6119	USSR	20 JUL	114.6	74.0	1494	1379	
1972-057D	COSMOS 507	6120	USS	20 JUL	114.9	74.0	1493	1409	
1972-057E	COSMOS 508	6121	USSR	20 JUL	115.3	74.0	1496	1441	
1972-057F	COSMOS 509	6122	USSR	20 JUL	115.6	74.0	1507	1471	
1972-057G	COSMOS 510	6123	USSR	20 JUL	116.0	74.0	1542	1493	
1972-057H	COSMOS 511	6124	USSR	20 JUL	116.4	74.0	1600	1494	
1972-057J		6125	USSR	20 JUL	117.0	74.0	1600	1489	
1972-058A	LANDSAT 1	6126	US	23 JUL	103.0	99.3	908	896	
1972-058B			US	23 JUL	SEE NOTE		17*		17*
1972-062A	COSMOS 514	6148	USSR	16 AUG	104.2	83.0	965	949	
1972-062B		6149	USSR	16 AUG	104.1	83.0	961	946	
1972-062C		6277	USSR	16 AUG	104.1	82.9	956	945	
1972-062D		7560	USSR	16 AUG	102.7	83.0	938	835	
1972-065A	COPERNICUS	6153	US	21 AUG	99.2	35.0	725	713	
1972-065B		6155	US	21 AUG	98.7	35.0	730	664	
1972-066A	COSMOS 516	6154	USSR	21 AUG	104.5	64.8	1021	922	
1972-069A	TRIAD OI-IX	6173	US	02 SEP	99.9	90.0	796	707	
1972-069B		6180	US	02 SEP	99.4	90.0	767	690	
1972-069C		6250	US	02 SEP	97.8	89.7	686	618	
1972-072A	COSMOS 520	6192	USSR	19 SEP	715.3	68.4	36294	3936	
1972-072E		6302	USSR	19 SEP	706.7	68.2	35955	3850	
1972-073A		6197	US	23 SEP	NO	CURRENT ELEMENTS			
1972-074A	EXPLORER 47	6206	USSR	29 SEP	104.9	65.8	1005	974	
1972-074B	COSMOS 521	6207	USSR	29 SEP	104.7	65.8	999	962	
1972-074C		6210	USSR	29 SEP	104.9	65.8	1004	972	
1972-076A		6212	US	02 OCT	97.4	98.6	640	630	
1972-076B		6217	US	02 OCT	98.7	98.7	706	688	
1972-076C		6218	US	02 OCT	99.1	98.5	724	707	
1972-076D		6221	US	02 OCT	96.8	98.6	611	601	
1972-079C		6822	US	10 OCT	114.7	95.7	1463	1416	
1972-079D		6823	US	10 OCT	114.7	95.8	1483	1403	
1972-079E		6824	US	10 OCT	114.6	95.5	1443	1430	
1972-082A	NOAA 2	6235	US	15 OCT	114.9	102.0	1453	1446	
1972-082B	AMSAT-OSCAR 6	6236	US	15 OCT	114.9	102.0	1452	1446	
1972-082C		6237	US	15 OCT	109.2	102.8	1464	914	
1972-085A	METEOR	6256	USSR	26 OCT	102.3	81.2	879	852	
1972-085B		6257	USSR	26 OCT	102.4	81.3	915	830	
1972-087A	COSMOS 528	6262	USSR	01 NOV	114.1	74.0	1465	1363	
1972-087B	COSMOS 529	6264	USSR	01 NOV	114.5	74.0	1465	1400	
1972-087C	COSMOS 530	6265	USSR	01 NOV	113.7	74.0	1466	1330	
1972-087D	COSMOS 531	6266	USSR	01 NOV	114.7	74.0	1466	1419	
1972-087E	COSMOS 532	6267	USSR	01 NOV	113.4	74.0	1465	1298	
1972-087F	COSMOS 533	6268	USSR	01 NOV	113.6	74.0	1466	1314	
1972-087G	COSMOS 534	6269	USSR	01 NOV	113.9	74.0	1466	1346	
1972-087H	COSMOS 535	6270	USSR	01 NOV	114.3	74.0	1466	1381	
1972-087J		6271	USSR	01 NOV	116.6	74.0	1591	1464	
1972-089A		6275	US	09 NOV	101.2	98.7	841	786	
1972-089B		6276	US	09 NOV	101.4	98.7	854	798	
1972-090A	ANIK A1	6278	CANADA	10 NOV	1457.1	10.8	36258	36136	
1972-097A	NIMBUS 5	6305	US	11 DEC	107.1	99.8	1099	1086	
1972-097B		6306	US	11 DEC	111.7	99.8	1514	1098	
1972-101A		6317	US	20 DEC	NO	CURRENT ELEMENTS			
1972-101B		6318	US	20 DEC	NO	CURRENT ELEMENTS			
1972-102A	COSMOS 539	6319	USSR	21 DEC	112.9	74.0	1378	1339	
1972-102B		6320	USSR	21 DEC	112.7	74.0	1372	1332	
1972-104A	COSMOS 540	6323	USSR	25 DEC	100.4	74.1	790	763	

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1972-104B		6324	USSR	25 DEC		100.0	74.1	767	752	
1972-104C		6391	USSR	25 DEC		98.7	74.1	703	691	
1972-104D		6396	USSR	25 DEC		98.6	74.0	702	682	
1973 LAUNCHES										
1973-005A	COSMOS 546	6350	USSR	26 JAN		95.7	50.7	565	538	
1973-009A	PROGNOZ 3	6364	USSR	15 FEB		NO CURRENT ELEMENTS				
1973-013A		6380	US	06 MAR		NO ELEMENTS AVAILABLE				
1973-015A	METEOR	6392	USSR	20 MAR		102.4	81.2	878	861	
1973-015B		6393	USSR	20 MAR		102.5	81.3	921	833	
1973-019A	PIONEER 11	6421	US	06 APR		HELIOCENTRIC ORBIT				
1973-019B		6425	US	06 APR		HELIOCENTRIC ORBIT				
1973-023A	ANIK A2	6437	CANADA	20 APR		1443.0	9.4	35970	35873	
1973-034A	METEOR	6659	USSR	29 MAY		102.2	81.2	880	843	
1973-034B		6660	USSR	29 MAY		102.5	81.2	909	840	
1973-037A	COSMOS 564	6675	USSR	08 JUN		114.6	74.0	1477	1393	
1973-037B	COSMOS 565	6676	USSR	08 JUN		115.3	74.0	1488	1446	
1973-037C	COSMOS 566	6677	USSR	08 JUN		115.0	74.0	1480	1431	
1973-037D	COSMOS 567	6678	USSR	08 JUN		114.8	74.0	1480	1411	
1973-037E	COSMOS 568	6679	USSR	08 JUN		114.4	74.0	1478	1373	
1973-037F	COSMOS 569	6680	USSR	08 JUN		114.1	74.0	1478	1354	
1973-037G	COSMOS 570	6681	USSR	08 JUN		113.9	74.0	1478	1335	
1973-037H	COSMOS 571	6682	USSR	08 JUN		113.7	74.0	1477	1316	
1973-037J		6683	USSR	08 JUN		116.8	74.0	1593	1482	
1973-039A	EXPLORER 49	6686	US	10 JUN		SELENOCENTRIC ORBIT				
1973-039D		6689	US	10 JUN		NO CURRENT ELEMENTS				
1973-039F		6725	US	10 JUN		SELENOCENTRIC ORBIT				
1973-039G		6726	US	10 JUN		SELENOCENTRIC ORBIT				
1973-040A		6691	US	12 JUN		NO ELEMENTS AVAILABLE				
1973-040B		11940	US	12 JUN		NO ELEMENTS AVAILABLE				
1973-042A	COSMOS 574	6707	USSR	20 JUN		104.9	83.0	1008	975	
1973-042B		6708	USSR	20 JUN		104.8	82.9	995	976	
1973-047A	MARS 4	6742	USSR	21 JUL		HELIOCENTRIC ORBIT				
1973-049A	MARS 5	6754	USSR	25 JUL		MARS ORBIT				
1973-052A	MARS 6	6768	USSR	05 AUG		MARS ORBIT				
1973-053A	MARS 7	6776	USSR	09 AUG		MARS ORBIT				
1973-053D	CAPSULE	7224	USSR	09 AUG		HELIOCENTRIC ORBIT				
1973-054A		6787	US	17 AUG		100.9	98.8	820	780	
1973-054B		6788	US	17 AUG		101.1	98.9	831	789	
1973-056A		6791	US	21 AUG		NO ELEMENTS AVAILABLE				
1973-056B		6792	US	21 AUG		NO ELEMENTS AVAILABLE				
1973-058A	INTELSAT 4 F-7	6796	ITSO	21 AUG		1452.4	9.7	36138	36072	
1973-058B		6797	US	23 AUG		651.9	27.7	36482	571	
1973-058C		6825	USSR	08 SEP		113.5	74.0	1401	1373	
1973-064A	COSMOS 585	6826	USSR	08 SEP		113.4	74.0	1402	1358	
1973-064B		6828	USSR	14 SEP		104.7	82.9	1001	959	
1973-065A		6829	USSR	14 SEP		104.6	82.9	992	956	
1973-065B		6845	USSR	02 OCT		115.3	74.0	1490	1446	
1973-069A	COSMOS 588	6846	USSR	02 OCT		114.9	74.0	1487	1411	
1973-069B	COSMOS 589	6847	USSR	02 OCT		115.1	74.0	1485	1431	
1973-069C	COSMOS 590	6848	USSR	02 OCT		114.1	74.0	1484	1344	
1973-069D	COSMOS 591	6849	USSR	02 OCT		113.9	74.0	1481	1329	
1973-069E	COSMOS 592	6850	USSR	02 OCT		114.3	74.0	1483	1361	
1973-069F	COSMOS 593	6851	USSR	02 OCT		114.5	74.0	1484	1378	
1973-069G	COSMOS 594	6852	USSR	02 OCT		114.7	74.0	1484	1396	
1973-069H	COSMOS 595	6853	USSR	02 OCT		117.1	74.0	1620	1482	
1973-069J			US	26 OCT		NO CURRENT ELEMENTS				
1973-078A	EXPLORER 50	6893	US	26 OCT						

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1973-078C		6895	US	26 OCT	96.5	28.8	861	324	
1973-078D		6896	US	26 OCT	NO CURRENT ELEMENTS				
1973-081A	NNSS 30200	6909	US	30 OCT	105.2	89.8	1123	885	
1973-081B		6910	US	30 OCT	105.3	89.8	1127	885	
1973-081C		15764	US	30 OCT	105.8	90.5	1169	889	
1973-084A	COSMOS 606	6916	USSR	02 NOV	718.8	69.1	37061	3345	
1973-084D		6939	USSR	02 NOV	706.6	67.5	37080	2719	
1973-085A	MARINER 10	6919	US	03 NOV	HELIOCENTRIC ORBIT				
1973-086A	NOAA 3	6920	US	06 NOV	116.1	102.2	1508	1499	
1973-086B	TO 086HF		US	06 NOV	SEE NOTE	18*			18*
1973-088D		6938	US	10 NOV	114.5	96.9	1453	1413	
1973-088E		7559	US	10 NOV	114.6	96.8	1476	1400	
1973-098A	COSMOS 614	6965	USSR	04 DEC	100.2	74.1	787	751	
1973-098B		6966	USSR	04 DEC	100.1	74.1	778	744	
1973-098C		6967	USSR	04 DEC	98.3	74.1	690	669	
1973-098D		9569	USSR	04 DEC	99.4	74.1	743	717	
1973-100A		6973	US	13 DEC	1474.6	13.3	36666	36408	
1973-100B		6974	US	13 DEC	1436.2	12.9	35793	35783	
1973-100D		6976	US	13 DEC	1515.0	13.7	38520	36116	
1973-104A	COSMOS 617	6985	USSR	19 DEC	113.9	74.0	1482	1331	
1973-104B	COSMOS 618	6986	USSR	19 DEC	115.2	74.0	1484	1442	
1973-104C	COSMOS 619	6987	USSR	19 DEC	115.0	74.0	1484	1422	
1973-104D	COSMOS 620	6988	USSR	19 DEC	115.4	74.0	1491	1456	
1973-104E	COSMOS 621	6989	USSR	19 DEC	114.7	74.0	1482	1404	
1973-104F	COSMOS 622	6990	USSR	19 DEC	114.3	74.0	1483	1367	
1973-104G	COSMOS 623	6991	USSR	19 DEC	114.5	74.0	1483	1384	
1973-104H	COSMOS 624	6992	USSR	19 DEC	114.1	74.0	1483	1348	
1973-104J		6993	USSR	19 DEC	117.0	74.0	1620	1473	
1973-107A	OREOL 2	7003	USSR	26 DEC	103.5	74.0	1457	387	
1973-107B		7004	USSR	26 DEC	102.8	74.0	1402	378	
1973-108A	COSMOS 626	7005	USSR	27 DEC	103.9	65.4	983	906	
1973-109A	COSMOS 627	7008	USSR	29 DEC	104.9	83.0	1013	954	
1973-109B		7009	USSR	29 DEC	104.6	83.0	990	959	
1974 LAUNCHES									
1974-001A	COSMOS 628	7094	USSR	17 JAN	104.7	83.0	1008	950	
1974-001B		7095	USSR	17 JAN	104.5	83.0	998	942	
1974-011A	METEOR	7209	USSR	05 MAR	101.9	81.2	877	821	
1974-011B		7210	USSR	05 MAR	102.0	81.2	910	792	
1974-013A	UK-X4	7213	UK	09 MAR	100.3	97.9	867	677	
1974-013B		7228	US	09 MAR	100.4	97.9	863	688	
1974-015A		7218	US	16 MAR	100.9	99.1	845	758	
1974-015B		7219	US	16 MAR	101.2	99.1	863	766	
1974-017A	COSMOS 637	7229	USSR	26 MAR	1428.9	13.0	35805	35485	
1974-017F		11567	USSR	26 MAR	1425.7	12.9	35762	35404	
1974-020B		7244	US	10 APR	NO ELEMENTS AVAILABLE				
1974-022A	WESTAR 1	7250	US	13 APR	1441.6	9.1	35907	35879	
1974-024A	COSMOS 641	7265	USSR	23 APR	114.5	74.0	1479	1385	
1974-024B	COSMOS 642	7266	USSR	23 APR	113.7	74.0	1478	1316	
1974-024C	COSMOS 643	7267	USSR	23 APR	114.1	74.0	1479	1351	
1974-024D	COSMOS 644	7268	USSR	23 APR	113.9	74.0	1479	1333	
1974-024E	COSMOS 645	7269	USSR	23 APR	114.3	74.0	1479	1367	
1974-024F	COSMOS 646	7270	USSR	23 APR	114.7	74.0	1483	1401	
1974-024G	COSMOS 647	7271	USSR	23 APR	114.9	74.0	1482	1419	
1974-024H	COSMOS 648	7272	USSR	23 APR	115.1	74.0	1487	1435	
1974-024J		7273	USSR	23 APR	117.0	74.0	1604	1486	
1974-025A	METEOR	7274	USSR	24 APR	102.3	81.2	881	852	

INTER-NATIONAL DESIGNATION		OBJECTS IN ORBIT				PERIOD		INCLI-NATION		APOGEE		PERIGEE		NOTES
NAME		CATALOG NUMBER	SOURCE	LAUNCH	MINUTES					(KM)	(KM)	(KM)	(KM)	
1974-025B	MOLNIYA 2-9	7275	USSR	24 APR	102.4	81.2	913	831						
1974-026A		7276	USSR	26 APR	640.6	62.3	35596	878						
1974-026E		7373	USSR	26 APR	699.2	62.3	38646	789						
1974-028A		7281	USSR	29 APR	113.4	74.0	1398	1366						
1974-028B	COSMOS 650	7284	USSR	29 APR	113.2	74.0	1387	1361						
1974-029A		7291	USSR	15 MAY	103.4	65.0	940	897						
1974-032A		7297	USSR	15 MAY	104.4	64.9	1023	908						
1974-033A		7298	US	17 MAY	1460.3	14.9	36301	36215						
1974-037A	LUNA 22	7315	USSR	29 MAY	SELENOCENTRIC ORBIT									
1974-039A		7318	US	30 MAY	1412.1	12.5	35440	35190						
1974-039C		7324	US	30 MAY	1430.6	12.7	35790	35569						
1974-044A		7337	USSR	18 JUN	104.4	83.0	1549	383						
1974-044B	COSMOS 660	7338	USSR	18 JUN	101.6	83.0	1290	382						
1974-048A		7349	USSR	27 JUN	104.7	82.9	997	961						
1974-048B		7350	USSR	27 JUN	104.5	82.9	985	959						
1974-050C		7354	USSR	29 JUN	682.6	62.5	38557	46						
1974-052A	METEOR	7363	USSR	09 JUL	102.9	81.2	907	883						
1974-052B		7364	USSR	09 JUL	102.5	81.2	907	843						
1974-054A		7369	US	14 JUL	468.7	125.1	13772	13448						
1974-054C		8599	US	14 JUL	CURRENT ELEMENTS									
1974-056A	MOLNIYA 2-10	7376	USSR	23 JUL	717.2	62.0	39835	491						
1974-056D		7382	USSR	23 JUL	731.9	61.8	40367	681						
1974-060A		7392	USSR	29 JUL	1437.1	13.3	35858	35753						
1974-060F		20836	USSR	29 JUL	1436.4	13.3	35869	35714						
1974-063A	COSMOS 675	7411	US	09 AUG	101.1	98.8	844	780						
1974-063B		7412	US	09 AUG	101.3	98.8	854	786						
1974-066B		7418	USSR	16 AUG	93.8	81.2	477	445						
1974-066C		8424	USSR	16 AUG	91.2	81.2	337	325						
1974-069A	COSMOS 676	7424	USSR	29 AUG	113.6	74.1	1421	1361						
1974-069B		7426	USSR	29 AUG	113.5	74.1	1420	1351						
1974-071A		7433	USSR	11 SEP	100.7	74.0	799	779						
1974-071C		7434	USSR	11 SEP	100.5	74.0	796	764						
1974-071D	COSMOS 677	8756	USSR	11 SEP	99.5	74.1	743	731						
1974-072A		8829	USSR	11 SEP	100.2	74.1	779	752						
1974-072B		7435	USSR	19 SEP	114.4	74.0	1464	1394						
1974-072C		7436	USSR	19 SEP	115.9	74.0	1530	1464						
1974-072D	COSMOS 679	7437	USSR	19 SEP	115.7	74.0	1507	1464						
1974-072E		7438	USSR	19 SEP	115.5	74.0	1489	1464						
1974-072F		7439	USSR	19 SEP	115.3	74.0	1470	1463						
1974-072G		7440	USSR	19 SEP	115.0	74.0	1464	1450						
1974-072H	COSMOS 682	7441	USSR	19 SEP	114.8	74.0	1463	1433						
1974-072J		7442	USSR	19 SEP	114.6	74.0	1463	1414						
1974-072K		7443	USSR	19 SEP	117.7	74.0	1682	1473						
1974-072L		7444	USSR	19 SEP	1442.2	8.9	35928	35883						
1974-075A	WESTAR 2	7466	US	10 OCT	156.8	24.3	6320	190						
1974-075C		7468	US	10 OCT	104.9	82.9	1014	968						
1974-079A		7476	USSR	18 OCT	104.9	82.9	1010	959						
1974-079B		7477	USSR	18 OCT	104.8	82.9	888	835						
1974-083A	METEOR	7490	USSR	28 OCT	102.2	81.2	901	835						
1974-083B		7493	USSR	28 OCT	102.3	81.2	900	833						
1974-083C		15521	USSR	28 OCT	102.3	81.2	900	833						
1974-089A		7529	US	15 NOV	114.9	101.9	1457	1442						
1974-089D	NOAA 4		US	15 NOV	SEE NOTE									
1974-089B			US	15 NOV	114.8	101.9	1457	1437						
1974-089C			SPAIN	15 NOV	114.8	101.9	1457	1439						
1974-093A			ITSO	21 NOV	1443.0	8.1	35949	35894						
1974-093B	SKYNET 2B	7545	US	21 NOV	652.4	25.5	36543	537						
1974-094A		7547	UK	23 NOV	1436.9	11.6	35828	35775						
1974-097A			FRG	10 DEC	HELIOCENTRIC ORBIT									

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH	NO CURRENT ELEMENTS HELIOCENTRIC ORBIT HELIOCENTRIC ORBIT					
1974-097B		7568	US	10 DEC	102.1	81.2	870	844		
1974-097C		7569	US	10 DEC	102.1	81.2	895	819		
1974-097D		7570	FRG	10 DEC	1440.6	11.9	35896	35853		
1974-099A	METEOR	7574	USSR	17 DEC	652.6	13.0	36668	419		
1974-099B		7575	USSR	17 DEC	104.6	83.0	992	958		
1974-101A	SYMPHONIE-A	7578	FR/FRG	19 DEC	104.5	82.9	980	958		
1974-101G		9330	US	26 DEC						
1974-105A	COSMOS 700	7593	USSR	26 DEC						
1974-105B		7594	USSR	26 DEC						
1975 LAUNCHES										
1975-004A	LANDSAT 2	7615	US	22 JAN	103.1	98.8	911	899		20*
1975-004B	TO 004HR		US	22 JAN	SEE NOTE		20*			
1975-007A	COSMOS 706	7625	USSR	30 JAN	717.6	67.7	34774	5571		
1975-007D		7629	USSR	30 JAN	716.9	67.6	35573	4739		
1975-010A	STARLETTE	7646	FRANCE	06 FEB	104.2	49.8	1108	805		
1975-010B		7647	FRANCE	06 FEB	104.3	49.8	1126	801		
1975-010C		7654	FRANCE	06 FEB	103.6	49.9	1064	795		
1975-010D		7655	FRANCE	06 FEB	103.7	49.8	1071	794		
1975-010E		7659	FRANCE	06 FEB	103.8	49.8	1083	793		
1975-011A	SMS 2	7648	US	06 FEB	1446.4	10.9	36169	35808		
1975-011F		20835	US	06 FEB	1460.7	13.0	36676	35856		
1975-012A	COSMOS 708	7663	USSR	12 FEB	113.5	69.2	1408	1367		
1975-012B		7665	USSR	12 FEB	113.3	69.2	1397	1362		
1975-016A	COSMOS 711	7678	USSR	28 FEB	115.4	74.0	1490	1459		
1975-016B	COSMOS 712	7679	USSR	28 FEB	114.9	74.0	1487	1409		
1975-016C	COSMOS 713	7680	USSR	28 FEB	114.6	74.0	1485	1409		
1975-016D	COSMOS 714	7681	USSR	28 FEB	115.2	74.0	1488	1443		
1975-016E	COSMOS 715	7682	USSR	28 FEB	115.7	74.0	1502	1467		
1975-016F	COSMOS 716	7683	USSR	28 FEB	115.9	74.0	1512	1477		
1975-016G	COSMOS 717	7684	USSR	28 FEB	116.1	74.0	1533	1477		
1975-016H	COSMOS 718	7685	USSR	28 FEB	115.0	74.0	1487	1427		
1975-016J		7686	USSR	28 FEB	117.9	74.0	1718	1457		
1975-017A		7687	US	10 MAR	NO ELEMENTS AVAILABLE					
1975-017B		7688	US	10 MAR	NO ELEMENTS AVAILABLE					
1975-023A	METEOR	7714	USSR	01 APR	102.3	81.2	883	853		
1975-023B		7715	USSR	01 APR	102.4	81.2	909	833		
1975-024A	COSMOS 723	7718	USSR	02 APR	103.6	64.7	953	907		
1975-025A	COSMOS 724	7727	USSR	07 APR	102.9	65.6	940	856		
1975-027A	GEOS 3	7734	US	09 APR	101.6	115.0	851	815		
1975-027B		7735	US	09 APR	101.3	115.0	855	815		
1975-027C		10728	US	09 APR	101.4	115.2	878	772		
1975-027E		10730	US	09 APR	103.5	115.0	1002	780		
1975-028A	COSMOS 726	7736	USSR	11 APR	104.5	83.0	988	846		
1975-028B		7737	USSR	11 APR	104.4	83.0	977	951		
1975-029D		7741	USSR	14 APR	726.6	62.3	40651	139		
1975-034A	COSMOS 729	7768	USSR	22 APR	104.7	83.0	1004	970		
1975-036A	MOLNIYA 1-29	7769	USSR	22 APR	104.7	83.0	995	969		
1975-036D		7780	USSR	29 APR	717.6	61.8	39464	880		
1975-038A	ANIK A3	7800	USSR	29 APR	732.4	62.1	40493	582		
1975-038D		7790	CANADA	07 MAY	1439.5	8.2	22091	35833		
1975-042A	INTELSAT 4 F-1	7794	US	07 MAY	386.0	24.6	36133	275		
1975-042B		7815	ITSO	22 MAY	652.9	26.0	36531	36015		
1975-043A		7902	US	22 MAY	NO ELEMENTS AVAILABLE			574		
1975-043B		7816	US	24 MAY	NO ELEMENTS AVAILABLE					
1975-043E		7817	US	24 MAY	NO ELEMENTS AVAILABLE					
1975-045A	COSMOS 732	7820	USSR	28 MAY	114.6	74.0	1467	1402		

OBJECTS IN ORBIT

INTER-NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI-NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1975-045B	COSMOS 733	7822	USSR	28 MAY	116.2	74.0	1552	1467	
1975-045C	COSMOS 734	7823	USSR	28 MAY	115.0	74.0	1469	1441	
1975-045D	COSMOS 735	7824	USSR	28 MAY	115.2	74.0	1472	1458	
1975-045E	COSMOS 736	7825	USSR	28 MAY	115.5	74.0	1484	1467	
1975-045F	COSMOS 737	7826	USSR	28 MAY	115.9	74.0	1526	1468	
1975-045G	COSMOS 738	7827	USSR	28 MAY	115.7	74.0	1506	1467	
1975-045H	COSMOS 739	7828	USSR	28 MAY	114.8	74.0	1468	1422	
1975-045J		7831	USSR	28 MAY	117.9	74.0	1692	1484	
1975-049B	SRET 2	7910	FRANCE	05 JUN	NO CURRENT ELEMENTS				
1975-050A	VENERA 9	7915	USSR	08 JUN	VENUS ORBIT				
1975-051C	SSU 1	7937	US	08 JUN	113.5	95.1	1393	1382	
1975-051D		7938	US	08 JUN	113.2	95.0	1401	1343	
1975-051E		7939	US	08 JUN	113.9	95.2	1424	1381	
1975-052A	NIMBUS 6	7924	US	12 JUN	107.4	99.8	1111	1098	
1975-052B	TO 052JX		US	12 JUN	SEE NOTE 56*				56*
1975-054A	VENERA 10	7947	USSR	14 JUN	VENUS ORBIT				
1975-055A		7963	US	18 JUN	NO ELEMENTS AVAILABLE				
1975-055B		7964	US	18 JUN	NO ELEMENTS AVAILABLE				
1975-056B		7969	USSR	20 JUN	94.2	81.2	493	461	
1975-063A	MOLNIYA 2-13	8015	USSR	08 JUL	716.4	62.0	39450	835	
1975-063D		8018	USSR	08 JUL	732.6	62.1	40517	564	
1975-064A	METEOR 2	8026	USSR	11 JUL	102.2	81.3	878	844	
1975-064B		8027	USSR	11 JUL	102.3	81.3	908	831	
1975-064C		8039	USSR	11 JUL	102.2	81.3	874	853	
1975-064D		8110	USSR	11 JUL	102.1	81.3	881	833	
1975-072A	COS-B	8062	ESA	09 AUG	NO CURRENT ELEMENTS				
1975-072B		8063	US	09 AUG	120.1	89.2	3051	315	
1975-074A	COSMOS 755	8072	USSR	14 AUG	104.8	82.9	1004	965	
1975-074B		8073	USSR	14 AUG	104.7	82.9	993	963	
1975-075A	VIKING ORBITER 1	8108	US	20 AUG	MARS ORBIT				
1975-075B		8111	US	20 AUG	HELIOCENTRIC ORBIT				
1975-076B		8128	USSR	22 AUG	94.8	81.2	535	485	
1975-077A	SYMPHONIE-B	8132	FR/FRG	27 AUG	1440.4	12.1	35880	35861	
1975-077B		8133	US	27 AUG	102.6	25.3	1369	398	
1975-077C		8134	US	27 AUG	637.7	13.7	35918	409	
1975-081A	MOLNIYA 2-14	8195	USSR	09 SEP	717.6	61.7	39417	927	
1975-081D		8418	USSR	09 SEP	732.5	62.0	40464	613	
1975-082A	KIKU	8197	JAPAN	09 SEP	106.0	47.0	1103	975	
1975-082B		8352	JAPAN	09 SEP	105.9	47.0	1100	973	
1975-083A	VIKING ORBITER 2	8199	US	09 SEP	MARS ORBIT				
1975-083B		8272	US	09 SEP	HELIOCENTRIC ORBIT				
1975-086A	COSMOS 761	8285	USSR	17 SEP	114.6	74.0	1480	1397	
1975-086B	COSMOS 762	8286	USSR	17 SEP	115.1	74.0	1482	1436	
1975-086C	COSMOS 763	8287	USSR	17 SEP	115.8	74.0	1508	1471	
1975-086D	COSMOS 764	8288	USSR	17 SEP	116.0	74.0	1524	1476	
1975-086E	COSMOS 765	8289	USSR	17 SEP	116.3	74.0	1548	1476	
1975-086F	COSMOS 766	8290	USSR	17 SEP	114.9	74.0	1483	1415	
1975-086G	COSMOS 767	8291	USSR	17 SEP	115.3	74.0	1484	1454	
1975-086H	COSMOS 768	8292	USSR	17 SEP	115.5	74.0	1489	1469	
1975-086J		8295	USSR	17 SEP	117.8	74.0	1682	1479	
1975-087A	METEOR	8293	USSR	18 SEP	102.0	81.3	911	798	
1975-087B		8294	USSR	18 SEP	102.2	81.3	917	812	
1975-089A	COSMOS 770	8325	USSR	24 SEP	109.1	83.0	1206	1161	
1975-089B		8326	USSR	24 SEP	108.9	83.0	1196	1158	
1975-091A	INTELSAT 4A F-1	8330	ITSO	26 SEP	1441.0	8.1	35914	35852	
1975-091B		8331	US	26 SEP	652.1	21.4	36588	472	
1975-094A	COSMOS 773	8343	USSR	30 SEP	100.5	74.1	789	773	
1975-094B		8344	USSR	30 SEP	100.3	74.1	788	753	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1975-094C		8346	USSR	30 SEP		98.2	74.0	683	665	
1975-094D		14865	USSR	30 SEP		99.9	74.0	755	749	
1975-097A	COSMOS 775	8357	USSR	08 OCT		1436.6	13.0	35852	35740	
1975-097F		11676	USSR	08 OCT		1438.5	13.0	35935	35732	
1975-100A	GOES 1	8366	US	16 OCT		1435.7	11.7	35801	35756	
1975-100C		8368	US	16 OCT		139.3	23.4	4794	250	
1975-100F		20962	US	16 OCT		1412.7	12.4	36488	34167	
1975-103A	COSMOS 778	8419	USSR	04 NOV		104.8	83.0	999	966	
1975-103B		8421	USSR	04 NOV		104.6	83.0	994	958	
1975-105A	MOLNIYA 3-3	8425	USSR	14 NOV		717.4	61.8	39483	851	
1975-105D		8462	USSR	14 NOV		733.3	62.0	40515	603	
1975-112A	COSMOS 783	8458	USSR	28 NOV		100.6	74.1	797	779	
1975-112B		8459	USSR	28 NOV		100.4	74.1	790	767	
1975-112C		8757	USSR	28 NOV		99.3	74.0	727	723	
1975-112D		14801	USSR	28 NOV		100.2	74.1	774	763	
1975-112E		18500	USSR	28 NOV		100.4	74.1	789	765	
1975-116A	COSMOS 785	8473	USSR	12 DEC		104.2	65.1	1019	892	
1975-117A	RCA SATCOM I	8476	US	13 DEC		1445.8	8.2	36080	35873	
1975-118A		8482	US	14 DEC		NO	ELEMENTS AVAILABLE			
1975-118C		8516	US	14 DEC		NO	ELEMENTS AVAILABLE			
1975-118D		8517	US	14 DEC		NO	ELEMENTS AVAILABLE			
1975-121A	MOLNIYA 2-15	8492	USSR	17 DEC		416.9	62.8	24113	103	
1975-122A	PROGNOZ 4	8510	USSR	22 DEC		1436.4	12.7	35818	35768	
1975-123A	RADUGA 1	8513	USSR	22 DEC		380.2	46.0	21616	395	
1975-123D		8546	USSR	22 DEC		289.2	46.7	16021	196	
1975-123E		8547	USSR	22 DEC		1433.1	12.7	35797	35658	
1975-123F		11568	USSR	22 DEC		102.1	81.2	875	843	
1975-124A	METEOR	8519	USSR	25 DEC		102.2	81.3	894	835	
1975-124B		8520	USSR	25 DEC						
1976 LAUNCHES										
1976-003A	HELIOS 2	8582	FRG	15 JAN						
1976-003B		8583	US	15 JAN						
1976-003C		8584	US	15 JAN						
1976-004A	CTS	8585	CANADA	17 JAN		1437.1	12.2	35887	35726	
1976-005A	COSMOS 789	8591	USSR	20 JAN		104.9	83.0	1011	965	
1976-005B		8597	USSR	20 JAN		104.7	83.0	1000	963	
1976-006A	MOLNIYA 1-32	8601	USSR	22 JAN		720.3	62.4	39794	683	
1976-006D		8701	USSR	22 JAN		695.2	62.2	38417	815	
1976-008A	COSMOS 791	8607	USSR	28 JAN		114.7	74.1	1483	1400	
1976-008B	COSMOS 792	8608	USSR	28 JAN		115.1	74.0	1488	1433	
1976-008C	COSMOS 793	8609	USSR	28 JAN		114.9	74.0	1487	1416	
1976-008D	COSMOS 794	8610	USSR	28 JAN		115.3	74.0	1492	1449	
1976-008E	COSMOS 795	8611	USSR	28 JAN		115.6	74.1	1496	1464	
1976-008F	COSMOS 796	8612	USSR	28 JAN		115.8	74.0	1513	1470	
1976-008G	COSMOS 797	8613	USSR	28 JAN		116.0	74.1	1527	1477	
1976-008H	COSMOS 798	8614	USSR	28 JAN		116.3	74.1	1552	1476	
1976-008J		8615	USSR	28 JAN		117.9	74.0	1693	1481	
1976-010A	INTELSAT 4A F-2	8620	ITSO	29 JAN		1444.5	8.3	35968	35933	
1976-010B		8621	US	29 JAN		653.7	22.0	36530	615	
1976-011A	COSMOS 800	8645	USSR	03 FEB		104.9	83.0	1008	975	
1976-011B		8646	USSR	03 FEB		104.8	83.0	990	980	
1976-014A	COSMOS 803	8688	USSR	12 FEB		95.3	65.8	561	501	
1976-017A	MARISAT 1	8697	US	19 FEB		1436.1	10.4	35797	35777	
1976-017C		8702	US	19 FEB		151.4	24.4	5810	251	
1976-019A	UME	8709	JAPAN	29 FEB		105.0	69.7	1003	989	
1976-019B		8710	JAPAN	29 FEB		105.1	69.7	1007	991	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH							
1976-022A	COSMOS 807	8744	USSR	12 MAR			104.8	82.9	1581	383	
1976-022B		8745	USSR	12 MAR			101.2	82.9	1268	367	
1976-023A	LES 8	8746	US	15 MAR			1436.3	17.8	35833	35747	
1976-023B	LES 9	8747	US	15 MAR			1436.1	17.8	35885	35688	
1976-023C	SOLRAD 11A	8748	US	15 MAR			NO	CURRENT ELEMENTS			
1976-023D		8749	US	15 MAR			NO	CURRENT ELEMENTS			
1976-023F	SOLRAD 11B	8751	US	15 MAR			1465.6	18.2	36999	35723	
1976-023G		8752	US	15 MAR			NO	CURRENT ELEMENTS			
1976-023H		8753	US	15 MAR			NO	CURRENT ELEMENTS			
1976-023J		8832	US	15 MAR			NO	CURRENT ELEMENTS			
1976-023K		13753	US	15 MAR			1420.9	10.7	35493		
1976-024A	COSMOS 808	8754	USSR	16 MAR			92.4	81.2	394	35483	
1976-024B		8755	USSR	16 MAR			93.8	81.3	475	389	
1976-029A	RCA SATCOM II	8774	US	26 MAR			1460.1	7.8	36501	440	
1976-032A	METEOR	8799	USSR	07 APR			102.0	81.3	880	36010	
1976-032B		8800	USSR	07 APR			102.2	81.2	931	830	
1976-035A	NATO III-A	8808	NATO	22 APR			1442.3	10.1	36008	790	
1976-038A		8818	US	30 APR			NO	ELEMENTS AVAILABLE		35806	
1976-038B		8819	US	30 APR			NO	ELEMENTS AVAILABLE			
1976-038C	SSU-1	8835	US	30 APR			NO	ELEMENTS AVAILABLE			
1976-038D	SSU-2	8836	US	30 APR			NO	ELEMENTS AVAILABLE			
1976-038E		8839	US	30 APR			NO	ELEMENTS AVAILABLE			
1976-038F		8842	US	30 APR			NO	ELEMENTS AVAILABLE			
1976-038G		8843	US	30 APR			NO	ELEMENTS AVAILABLE			
1976-038H		8859	US	30 APR			NO	ELEMENTS AVAILABLE			
1976-038J	SSU-3	8884	US	30 APR			NO	ELEMENTS AVAILABLE			
1976-038K		9796	US	30 APR			NO	ELEMENTS AVAILABLE			
1976-038L		9996	US	30 APR			NO	ELEMENTS AVAILABLE			
1976-039A	LAGEOS	8820	US	04 MAY			225.4	109.9	5945	5838	
1976-039C		8822	US	04 MAY			225.4	109.9	5941	5837	
1976-039D		14514	US	04 MAY			99.0	109.9	1160	258	
1976-041A	MOLNIYA 3-5	8833	USSR	12 MAY			664.3	62.0	37590	93	
1976-041D		8844	USSR	12 MAY			710.5	61.9	39885	111	
1976-042A	COMSTAR 1	8838	US	13 MAY			1442.6	8.0	35921	35905	
1976-042B		8840	US	13 MAY			648.2	21.3	36244	620	
1976-043A	METEOR	8845	USSR	15 MAY			102.0	81.3	885	825	
1976-043B		8846	USSR	15 MAY			102.3	81.2	901	828	
1976-047A	P 76-5	8860	US	22 MAY			105.4	99.6	1044	981	
1976-047B		8861	US	22 MAY			105.5	99.5	1046	984	
1976-047C		8867	US	22 MAY			106.3	99.3	1110	997	
1976-047D		8868	US	22 MAY			104.5	100.0	1012	934	
1976-050A		8871	US	02 JUN			NO	ELEMENTS AVAILABLE			
1976-050B		8872	US	02 JUN			NO	ELEMENTS AVAILABLE			
1976-051A	COSMOS 823	8873	USSR	02 JUN			104.9	83.0	1004	970	
1976-051B		8874	USSR	02 JUN			104.7	83.0	1000	964	
1976-053A	MARISAT 2	8882	US	10 JUN			1436.1	9.5	35813	35760	
1976-053F		8910	US	10 JUN			468.1	25.2	26922	263	
1976-054A	COSMOS 825	8889	USSR	15 JUN			114.6	74.0	1485	1392	
1976-054B	COSMOS 826	8890	USSR	15 JUN			116.2	74.0	1542	1480	
1976-054C	COSMOS 827	8891	USSR	15 JUN			114.9	74.0	1487	1410	
1976-054D	COSMOS 828	8892	USSR	15 JUN			115.1	74.0	1486	1431	
1976-054E	COSMOS 829	8893	USSR	15 JUN			115.3	74.0	1488	1448	
1976-054F	COSMOS 830	8894	USSR	15 JUN			115.5	74.0	1491	1466	
1976-054G	COSMOS 831	8895	USSR	15 JUN			115.7	74.0	1505	1472	
1976-054H	COSMOS 832	8896	USSR	15 JUN			116.0	74.0	1518	1480	
1976-054J		8897	USSR	15 JUN			117.9	74.0	1686	1485	
1976-059A		8916	US	26 JUN			NO	ELEMENTS AVAILABLE			
1976-059C		8918	US	26 JUN			NO	ELEMENTS AVAILABLE			

OBJECTS IN ORBIT

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1976-059D		8919	US	26 JUN	NO CURRENT ELEMENTS				
1976-061A	COSMOS 836	8923	USSR	29 JUN	100.6	74.1	801	773	
1976-061B		8924	USSR	29 JUN	100.4	74.1	790	766	
1976-061C		9572	USSR	29 JUN	99.1	74.1	720	712	
1976-061D		14815	USSR	29 JUN	99.3	74.1	737	715	
1976-065C		9008	US	08 JUL	NO ELEMENTS AVAILABLE				
1976-066A	PALAPA 1	9009	INDNSA	08 JUL	1439.1	8.0	35867	35821	
1976-066C		9017	US	08 JUL	310.2	24.5	17355	243	
1976-067A	COSMOS 839	9011	USSR	08 JUL	115.6	65.9	2065	903	
1976-067B	TO 067Bz		USSR	08 JUL	SEE NOTE		21*		21*
1976-069A	COSMOS 841	9022	USSR	15 JUL	100.4	74.0	789	769	
1976-069B		9023	USSR	15 JUL	100.3	74.0	784	756	
1976-069C		9704	USSR	15 JUL	99.3	74.1	731	720	
1976-069D		13499	USSR	15 JUL	100.3	74.1	789	758	
1976-070A	COSMOS 842	9025	USSR	21 JUL	104.8	83.0	1005	963	
1976-070B		9044	USSR	21 JUL	104.6	83.0	988	965	
1976-073A	COMSTAR 2	9047	US	22 JUL	1436.2	7.9	35791	35784	
1976-073B		9329	US	22 JUL	645.7	21.4	36204	530	
1976-077A	NOAA 5	9057	US	29 JUL	116.2	102.1	1518	1505	
1976-077B	TO 077Fz		US	29 JUL	SEE NOTE		22*		22*
1976-078A	COSMOS 846	9061	USSR	29 JUL	104.6	82.9	1007	945	
1976-078B		9062	USSR	29 JUL	104.5	82.9	991	947	
1976-080A		9270	US	06 AUG	NO ELEMENTS AVAILABLE				
1976-080B		9271	US	06 AUG	NO ELEMENTS AVAILABLE				
1976-091A	DMSP-F1	9415	US	11 SEP	NO ELEMENTS AVAILABLE				
1976-091B		9419	US	11 SEP	NO ELEMENTS AVAILABLE				
1976-091C		9420	US	11 SEP	NO ELEMENTS AVAILABLE				
1976-091F		9484	US	11 SEP	NO ELEMENTS AVAILABLE				
1976-091G		9518	US	11 SEP	NO ELEMENTS AVAILABLE				
1976-092A	RADUGA 2	9416	USSR	11 SEP	1436.2	12.5	35889	35686	
1976-092F		17872	USSR	11 SEP	1435.4	12.4	35831	35713	
1976-098A	COSMOS 858	9443	USSR	29 SEP	100.6	74.0	794	774	
1976-098B		9444	USSR	29 SEP	100.4	74.0	786	765	
1976-098C		14816	USSR	29 SEP	100.3	74.0	784	756	
1976-098D		14817	USSR	29 SEP	99.3	74.1	738	712	
1976-098E		18504	USSR	29 SEP	99.7	74.1	757	726	
1976-101A	MARISAT 3	9478	US	14 OCT	1436.0	10.9	35791	35779	
1976-102A	METEOR	9481	USSR	15 OCT	102.2	81.3	887	836	
1976-102B		9482	USSR	15 OCT	102.3	81.3	912	825	
1976-103A	COSMOS 860	9486	USSR	17 OCT	104.3	64.7	1016	902	
1976-103F		19297	USSR	17 OCT	99.7	64.9	838	652	
1976-104A	COSMOS 861	9494	USSR	21 OCT	104.2	64.9	1006	910	
1976-105A	COSMOS 862	9495	USSR	22 OCT	717.8	64.8	39450	907	
1976-105D		9506	USSR	22 OCT	711.8	63.3	39387	670	
1976-105E		9888	USSR	22 OCT	NO CURRENT ELEMENTS				
1976-105F		9889	USSR	22 OCT	718.2	64.3	39595	780	
1976-105G		9890	USSR	22 OCT	NO CURRENT ELEMENTS				
1976-105H		9891	USSR	22 OCT	864.1	64.7	46003	1344	
1976-105J		9892	USSR	22 OCT	717.9	64.6	39509	849	
1976-105K		9893	USSR	22 OCT	NO CURRENT ELEMENTS				
1976-105L		9894	USSR	22 OCT	702.5	63.9	39040	558	
1976-105M		9895	USSR	22 OCT	718.7	65.9	38931	1468	
1976-105N		9896	USSR	22 OCT	725.4	65.0	39655	1074	
1976-105P		9902	USSR	22 OCT	727.1	64.6	39702	1111	
1976-107A	EKRAN	9503	USSR	26 OCT	1435.4	12.4	36060	35487	
1976-107F		11569	USSR	26 OCT	1419.3	12.3	35506	35408	
1976-108A	COSMOS 864	9509	USSR	29 OCT	104.7	82.9	1003	957	
1976-108B		9510	USSR	29 OCT	104.6	82.9	993	953	

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1976-112A	PROGNOZ 5	9557	USSR	25 NOV	NO	CURRENT ELEMENTS				
1976-118A	COSMOS 871	9588	USSR	07 DEC	114.6	74.0	1462	1415		
1976-118B	COSMOS 872	9589	USSR	07 DEC	114.4	74.0	1461	1397		
1976-118C	COSMOS 873	9590	USSR	07 DEC	115.5	74.0	1493	1462		
1976-118D	COSMOS 874	9591	USSR	07 DEC	115.7	74.0	1514	1462		
1976-118E	COSMOS 875	9592	USSR	07 DEC	114.8	74.0	1463	1433		
1976-118F	COSMOS 876	9593	USSR	07 DEC	116.0	74.0	1537	1461		
1976-118G	COSMOS 877	9594	USSR	07 DEC	115.0	74.0	1463	1451		
1976-118H	COSMOS 878	9595	USSR	07 DEC	115.3	74.0	1472	1462		
1976-118J		9598	USSR	07 DEC	117.6	74.0	1682	1463		
1976-120AT		11216	USSR	09 DEC	95.0	65.9	544	487		
1976-120AU		11217	USSR	09 DEC	89.7	65.8	264	253		
1976-120AY		11221	USSR	09 DEC	94.5	65.8	519	468		
1976-122A	COSMOS 883	9610	USSR	15 DEC	104.7	83.0	1004	952		
1976-122B		9613	USSR	15 DEC	104.6	83.0	996	950		
1976-126A	COSMOS 886	9634	USSR	27 DEC	114.7	65.8	2299	585		
1976-126B TO 126CG			USSR	27 DEC	SEE NOTE		25*			25*
1976-128A	COSMOS 887	9637	USSR	28 DEC	104.6	82.9	1010	944		
1976-128B		9638	USSR	28 DEC	104.5	82.9	994	947		
1977 LAUNCHES										
1977-002A	METEOR 2-2	9661	USSR	06 JAN	102.7	81.3	892	876		
1977-002B		9662	USSR	06 JAN	102.8	81.3	929	853		
1977-002C		9663	USSR	06 JAN	102.7	81.3	890	880		
1977-002D		9664	USSR	06 JAN	102.7	81.3	893	880		
1977-004A	COSMOS 890	9737	USSR	20 JAN	105.0	83.0	1013	974		
1977-004B		9738	USSR	20 JAN	104.8	83.0	997	974		
1977-005A	NATO III-B	9785	NATO	28 JAN	1436.2	9.9	35789	35788		
1977-005B		9786	US	28 JAN	103.7	28.0	1252	618		
1977-005D		9809	US	28 JAN	NO	CURRENT ELEMENTS				
1977-005E		9810	US	28 JAN	NO	CURRENT ELEMENTS				
1977-005F		9811	US	28 JAN	NO	CURRENT ELEMENTS				
1977-007A		9803	US	06 FEB	NO	ELEMENTS AVAILABLE				
1977-007C		9855	US	06 FEB	NO	ELEMENTS AVAILABLE				
1977-007D		9856	US	06 FEB	NO	CURRENT ELEMENTS				
1977-010A	MOLNIYA 2-17	9829	USSR	11 FEB	717.5	62.4	39935	405		
1977-010E		9850	USSR	11 FEB	730.1	63.1	40497	464		
1977-012A	TANSEI 3	9841	JAPAN	19 FEB	134.1	65.8	3799	801		
1977-012C		9843	JAPAN	19 FEB	134.1	65.7	3795	800		
1977-012E		9981	JAPAN	19 FEB	133.3	65.2	3732	796		
1977-012F		9982	JAPAN	19 FEB	133.5	65.9	3768	780		
1977-012G		9983	JAPAN	19 FEB	134.1	65.6	3793	808		
1977-012H		12857	JAPAN	19 FEB	133.9	66.3	3776	811		
1977-012J		13133	JAPAN	19 FEB	133.0	65.8	3704	799		
1977-012K		14512	JAPAN	19 FEB	133.8	65.7	3771	799		
1977-012L		19314	JAPAN	19 FEB	133.3	65.4	3885	643		
1977-013A	COSMOS 894	9846	USSR	21 FEB	104.8	82.9	1008	962		
1977-013B		9848	USSR	21 FEB	104.7	82.9	992	967		
1977-014A	KIKU 2	9852	JAPAN	23 FEB	1439.7	11.1	35862	35852		
1977-014B		9854	USSR	26 FEB	94.1	81.2	501	451		
1977-015B		9852	INDNSA	10 MAR	1439.5	6.9	35873	35831		
1977-018A	PALAPA 2	9862	USSR	24 MAR	717.7	62.2	39921	428		
1977-021A	MOLNIYA 1-36	9880	USSR	24 MAR	732.5	63.0	40698	381		
1977-021D		9927	USSR	05 APR	102.3	81.3	889	843		
1977-024A	METEOR	9903	USSR	05 APR	102.3	81.3	910	831		
1977-024B		9904	USSR	05 APR	102.4	82.9	894	857		
1977-024C		9907	USSR	05 APR	102.5	82.9	894	857		
1977-027A	COSMOS 903	9911	USSR	11 APR	717.4	67.5	37668	2669		

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1977-027D		9921	USSR	11 APR		723.9	67.9	37947	2709	
1977-027E		10946	USSR	11 APR		NO	CURRENT ELEMENTS			
1977-029A	ESA-GEOS	9931	ESA	20 APR		734.1	26.6	38283	2874	
1977-032A	MOLNIYA 3-7	9941	USSR	28 APR		717.5	62.2	39925	414	
1977-034A		10000	US	12 MAY		1489.6	11.6	36905	36750	
1977-034B		10001	US	12 MAY		1509.1	11.2	37359	37047	
1977-034C		10002	US	12 MAY		1506.9	11.9	38452	35870	
1977-036A	COSMOS 909	10010	USSR	19 MAY		117.0	65.9	2100	992	
1977-036B		10011	USSR	19 MAY		116.9	65.9	2089	990	
1977-036C		10013	USSR	19 MAY		117.0	65.9	2098	993	
1977-038A		10016	US	23 MAY		NO	ELEMENTS AVAILABLE			
1977-038B		10017	US	23 MAY		NO	ELEMENTS AVAILABLE			
1977-038C		15422	US	23 MAY		NO	ELEMENTS AVAILABLE			
1977-039A	COSMOS 911	10019	USSR	25 MAY		104.7	82.9	997	962	
1977-039B		10020	USSR	25 MAY		104.5	82.9	994	948	
1977-041A	INTELSAT 4A F-4	10024	ITSO	26 MAY		1448.1	7.0	36075	35966	
1977-041B		10025	US	26 MAY		647.9	21.1	36276	571	
1977-044A	DMSP-F2	10033	US	05 JUN		NO	ELEMENTS AVAILABLE			
1977-044B		10034	US	05 JUN		NO	ELEMENTS AVAILABLE			
1977-044C		10037	US	05 JUN		NO	ELEMENTS AVAILABLE			
1977-044D		10085	US	05 JUN		NO	ELEMENTS AVAILABLE			
1977-047A	COSMOS 917	10059	USSR	16 JUN		717.4	67.6	35536	4797	
1977-047B		10089	USSR	16 JUN		722.5	67.4	36579	4007	
1977-048A	GOES 2	10061	US	16 JUN		1435.8	10.2	35797	35762	
1977-048B		10062	US	16 JUN		108.3	28.4	1721	574	
1977-048F		10409	US	16 JUN		NO	CURRENT ELEMENTS			
1977-048G		20799	US	16 JUN		1431.8	11.5	36590	34813	
1977-053A		10091	US	23 JUN		718.1	64.1	20280	20089	
1977-053B		10090	US	23 JUN		314.4	64.3	17038	835	
1977-054A	MOLNIYA 1-37	10092	US	24 JUN		215.5	62.6	10945	109	
1977-054D		10155	USSR	24 JUN		691.3	62.9	38800	238	
1977-055A	COSMOS 921	10095	USSR	24 JUN		97.1	75.8	652	588	
1977-055B		10096	USSR	24 JUN		97.2	75.8	657	589	
1977-057A	METEOR	10113	USSR	29 JUN		91.9	97.4	373	362	
1977-057B		10114	USSR	29 JUN		96.3	97.9	591	569	
1977-059A	COSMOS 923	10120	USSR	01 JUL		100.7	74.0	800	781	
1977-059B		10121	USSR	01 JUL		100.5	74.1	796	766	
1977-059C		14802	USSR	01 JUL		100.0	74.1	766	746	
1977-059D		14818	USSR	01 JUL		99.6	74.1	746	729	
1977-061A	COSMOS 925	10134	USSR	07 JUL		91.6	81.2	356	349	
1977-061B		10135	USSR	07 JUL		94.3	81.2	502	464	
1977-062A	COSMOS 926	10137	USSR	08 JUL		104.9	82.9	1016	965	
1977-062B		10138	USSR	08 JUL		104.8	82.9	1002	969	
1977-064A	COSMOS 928	10141	USSR	13 JUL		104.6	83.0	1003	947	
1977-064B		10142	USSR	13 JUL		104.5	83.0	1000	938	
1977-065A	HIMAWARI	10143	JAPAN	14 JUL		1451.0	10.4	36152	36001	
1977-065B	TO 65GC		US	14 JUL		SEE NOTE		26*		26*
1977-068A	COSMOS 931	10150	USSR	20 JUL		718.7	66.5	36016	4382	
1977-068D		10167	USSR	20 JUL		720.8	67.0	35475	5027	
1977-068E		12906	USSR	20 JUL		717.6	67.7	34579	5765	
1977-068F		12996	USSR	20 JUL		704.4	61.8	38095	1596	
1977-068G		14000	USSR	20 JUL		718.2	65.1	36876	3500	
1977-068J		19881	USSR	20 JUL		666.3	59.9	37436	346	
1977-071A	RADUGA 3	10159	USSR	23 JUL		1435.0	12.1	35809	35719	
1977-071F		11570	USSR	23 JUL		1473.4	12.5	36551	36474	
1977-076A	VOYAGER 2	10271	US	20 AUG		HELIOCENTRIC ORBIT				
1977-076B		10272	US	20 AUG		HELIOCENTRIC ORBIT				
1977-076C		10273	US	20 AUG		HELIOCENTRIC ORBIT				

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH					
1977-079A	COSMOS 939	10282	USSR	24 AUG	114.8	74.0	1461	1429	
1977-079B	COSMOS 940	10286	USSR	24 AUG	114.4	74.0	1460	1391	
1977-079C	COSMOS 941	10287	USSR	24 AUG	114.6	74.0	1460	1410	
1977-079D	COSMOS 942	10288	USSR	24 AUG	115.9	74.0	1531	1459	
1977-079E	COSMOS 943	10289	USSR	24 AUG	115.0	74.0	1460	1447	
1977-079F	COSMOS 944	10290	USSR	24 AUG	115.2	74.0	1468	1459	
1977-079G	COSMOS 945	10291	USSR	24 AUG	115.4	74.0	1488	1460	
1977-079H	COSMOS 946	10292	USSR	24 AUG	115.6	74.0	1508	1459	
1977-079J		10293	USSR	24 AUG	117.5	74.0	1675	1460	
1977-080A	SIRIO	10294	ITALY	25 AUG	1438.7	8.3	35925	35750	
1977-080B		10295	US	25 AUG	115.5	27.1	2082	874	
1977-082A	MOLNIYA 1-38	10315	USSR	30 AUG	681.6	62.6	38268	284	
1977-082E		10369	USSR	30 AUG	634.4	63.9	35919	238	
1977-084A	VOYAGER 1	10321	US	05 SEP	HELIOCENTRIC ORBIT				
1977-084B		10322	US	05 SEP	HELIOCENTRIC ORBIT				
1977-084C		10323	US	05 SEP	HELIOCENTRIC ORBIT				
1977-087A	COSMOS 951	10352	USSR	13 SEP	104.8	83.0	1009	959	
1977-087B		10355	USSR	13 SEP	104.7	83.0	1004	954	
1977-088A	COSMOS 952	10358	USSR	16 SEP	104.1	64.9	996	905	
1977-091A	COSMOS 955	10362	USSR	20 SEP	94.7	81.2	512	499	
1977-091B		10363	USSR	20 SEP	95.0	81.2	542	495	
1977-092A	EKRAN	10365	USSR	20 SEP	1435.4	12.0	35897	35646	
1977-092G		11571	USSR	20 SEP	1421.8	11.8	35550	35461	
1977-093A	PROGNOZ 6	10370	USSR	22 SEP	CURRENT ELEMENTS				
1977-102D		10425	US	22 OCT	CURRENT ELEMENTS				
1977-103A	MOLNIYA 3-8	10455	USSR	28 OCT	717.4	63.1	39895	438	
1977-105E		10485	USSR	28 OCT	731.5	63.4	40240	791	
1977-106A	NNSS 30110	10457	US	28 OCT	106.8	89.7	1096	1060	
1977-106B		10462	US	28 OCT	106.9	89.7	1097	1062	
1977-106C		12858	US	28 OCT	106.9	89.5	1095	1066	
1977-107A	COSMOS 962	10459	USSR	28 OCT	104.7	82.9	1003	960	
1977-107B		10461	USSR	28 OCT	104.6	82.9	999	951	
1977-108A	METEOSAT 1	10489	ESA	23 NOV	1435.9	11.3	35815	35748	
1977-108B		10490	US	23 NOV	115.1	28.3	2431	491	
1977-109A	COSMOS 963	10491	USSR	24 NOV	109.2	82.9	1205	1174	
1977-109B		10492	USSR	24 NOV	109.1	82.9	1200	1169	
1977-112A		10502	US	08 DEC	NO ELEMENTS AVAILABLE				
1977-112B		10504	US	08 DEC	NO ELEMENTS AVAILABLE				
1977-112C		10528	US	08 DEC	NO ELEMENTS AVAILABLE				
1977-112D		10529	US	08 DEC	NO ELEMENTS AVAILABLE				
1977-112E		10544	US	08 DEC	NO ELEMENTS AVAILABLE				
1977-112F		10594	US	08 DEC	NO ELEMENTS AVAILABLE				
1977-112G		10595	US	08 DEC	NO ELEMENTS AVAILABLE				
1977-112H		12859	US	08 DEC	NO ELEMENTS AVAILABLE				
1977-114A		10508	US	11 DEC	NO ELEMENTS AVAILABLE				
1977-114B		10509	US	11 DEC	NO ELEMENTS AVAILABLE				
1977-116A	COSMOS 967	10512	USSR	13 DEC	104.7	65.8	992	969	
1977-116B		10513	USSR	13 DEC	104.5	65.8	987	953	
1977-116C		10518	USSR	13 DEC	104.6	65.8	987	966	
1977-116D		10526	USSR	13 DEC	104.7	65.8	1009	953	
1977-117A	METEOR 2-3	10514	USSR	14 DEC	102.2	81.2	874	847	
1977-117B		10515	USSR	14 DEC	102.3	81.2	898	832	
1977-117C		14950	USSR	14 DEC	102.3	81.2	899	831	
1977-118A	SAKURA	10516	JAPAN	15 DEC	1455.8	9.8	36182	36162	
1977-118B		10517	US	15 DEC	109.2	28.7	1895	483	
1977-118C		10519	US	15 DEC	109.7	29.1	1882	542	
1977-119A	COSMOS 968	10520	USSR	16 DEC	100.4	74.0	791	765	
1977-119B		10521	USSR	16 DEC	100.2	74.0	783	750	

OBJECTS IN ORBIT			CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
INTER- NATIONAL DESIGNATION	NAME									
1977-119C			10524	USSR	16 DEC	99.8	74.0	762	739	
1977-119D			10525	USSR	16 DEC	99.9	74.0	766	741	
1977-119E			18512	USSR	16 DEC	99.7	74.0	748	736	
1977-121A	COSMOS 970		10531	USSR	21 DEC	105.9	65.9	1145	926	
1977-121B	TO 121BY			USSR	21 DEC	SEE NOTE		27*		27*
1977-122A	COSMOS 971		10536	USSR	23 DEC	104.9	82.9	1002	972	
1977-122B			10537	USSR	23 DEC	104.7	82.9	995	964	
1977-123A	COSMOS 972		10539	USSR	27 DEC	103.7	75.8	1156	710	
1977-123B			10541	USSR	27 DEC	103.7	75.8	1153	712	
1978 LAUNCHES										
1978-002A	INTELSAT 4A F-3		10557	ITSO	07 JAN	1441.4	6.5	35901	35877	
1978-002B			10722	US	17 JAN	650.1	21.1	36346	617	
1978-004A	COSMOS 975		10561	USSR	10 JAN	95.1	81.2	530	517	
1978-004B			10582	USSR	10 JAN	95.8	81.2	583	527	
1978-005A	COSMOS 976		10581	USSR	10 JAN	115.0	74.0	1461	1453	
1978-005B	COSMOS 977		10584	USSR	10 JAN	114.4	74.0	1461	1398	
1978-005C	COSMOS 978		10585	USSR	10 JAN	114.6	74.0	1461	1417	
1978-005D	COSMOS 979		10586	USSR	10 JAN	114.8	74.0	1460	1436	
1978-005E	COSMOS 980		10587	USSR	10 JAN	115.3	74.0	1473	1461	
1978-005F	COSMOS 981		10588	USSR	10 JAN	115.5	74.0	1493	1462	
1978-005G	COSMOS 982		10589	USSR	10 JAN	115.7	74.0	1513	1462	
1978-005H	COSMOS 983		10590	USSR	10 JAN	116.0	74.0	1535	1462	
1978-005J			10591	USSR	10 JAN	117.7	74.0	1691	1461	
1978-007A	COSMOS 985		10599	USSR	17 JAN	104.6	82.9	1014	936	
1978-007B			10600	USSR	17 JAN	104.5	82.9	1006	934	
1978-012A	IUE		10637	US	26 JAN	1435.6	33.8	41343	30210	
1978-012C			10723	US	26 JAN	536.7	29.2	30780	217	
1978-014A	KYOKKO		10664	JAPAN	04 FEB	134.0	65.4	3942	650	
1978-014C			12329	JAPAN	04 FEB	133.7	65.3	3927	640	
1978-014D			12330	JAPAN	04 FEB	133.9	65.4	3941	644	
1978-014E			12331	JAPAN	04 FEB	132.4	64.8	3807	647	
1978-014F			12406	JAPAN	04 FEB	133.0	65.9	3855	650	
1978-016A	FLTSATCOM 1		10669	US	09 FEB	1436.1	10.5	35798	35776	
1978-016C			12908	US	09 FEB	193.1	26.4	9129	247	
1978-018A	UME 2		10674	JAPAN	16 FEB	107.2	69.4	1215	974	
1978-018B			10675	JAPAN	16 FEB	107.1	69.4	1210	974	
1978-018C			13132	JAPAN	16 FEB	107.9	69.2	1289	968	
1978-019A			10676	USSR	17 FEB	100.4	74.0	791	765	
1978-019B			10677	USSR	17 FEB	100.2	74.0	780	756	
1978-019C			14803	USSR	17 FEB	99.2	74.0	723	714	
1978-019D			13500	USSR	17 FEB	99.9	74.1	763	743	
1978-019E			18501	US	17 FEB	100.0	74.1	767	745	
1978-020A			10684	US	22 FEB	727.0	64.3	20587	20221	
1978-020B			10801	US	22 FEB	268.4	64.1	13930	876	
1978-021A			10688	US	25 FEB	NO ELEMENTS	AVAILABLE	AVAILABLE		
1978-021B			10689	US	25 FEB	NO ELEMENTS	AVAILABLE	AVAILABLE		
1978-022A	COSMOS 991		10692	USSR	28 FEB	104.6	83.0	1003	950	
1978-022B			10693	USSR	28 FEB	104.5	83.0	988	958	
1978-026A	LANDSAT 3		10702	US	05 MAR	103.1	98.8	916	894	
1978-026C	TO 026HT			US	05 MAR	SEE NOTE		28*		28*
1978-026B	AMSAT-OSCAR-8		10703	US	05 MAR	103.0	99.2	904	893	
1978-028A	COSMOS 994		10731	USSR	15 MAR	104.9	82.9	1005	969	
1978-028B			10732	USSR	15 MAR	104.7	82.9	994	965	
1978-029B			10734	US	16 MAR	NO ELEMENTS	AVAILABLE	AVAILABLE		
1978-031A			10744	USSR	28 MAR	104.6	82.9	1004	948	
1978-031B	COSMOS 996		10745	USSR	28 MAR	104.5	82.9	995	943	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	OBJECTS IN ORBIT				PERIGEE (KM)	NOTES
					PERIOD MINUTES	INCLI- NATION	APOGEE (KM)			
1978-034A	COSMOS 1000	10776	USSR	31 MAR	104.7	82.9	1006	954		
1978-034B		10777	USSR	31 MAR	104.6	82.9	993	953		
1978-035A	INTELSAT 4A F-6	10778	ITSO	31 MAR	1435.6	6.5	35801	35753		
1978-035B		10779	US	31 MAR	647.8	21.7	36209	635		
1978-038A		10787	US	07 APR	NO	ELEMENTS AVAILABLE				
1978-038B		10788	US	07 APR	NO	ELEMENTS AVAILABLE				
1978-039A	YURI	10792	JAPAN	07 APR	1435.2	11.0	35796	35740		
1978-039B		10793	US	07 APR	110.9	28.2	1962	574		
1978-039C		10794	US	07 APR	167.9	26.9	7187	219		
1978-042A		10820	US	01 MAY	100.7	98.7	800	786		
1978-044A	OTS-2	10855	ESA	11 MAY	1452.6	8.5	36124	36092		
1978-044B		10856	US	11 MAY	139.9	27.9	3526	1573		
1978-044C		10857	US	11 MAY	NO	CURRENT ELEMENTS				
1978-045A	COSMOS 1005	10860	USSR	12 MAY	94.6	81.2	502	494		
1978-045B		10861	USSR	12 MAY	95.9	81.2	591	536		
1978-047A		10893	US	13 MAY	714.2	63.8	20628	19547		
1978-047B		10894	US	13 MAY	286.7	64.4	15039	1007		
1978-047B	PIONEER VENUS	10911	US	20 MAY	VENUS IMPACT					
1978-051A	ORBITER									
1978-051B		10912	US	20 MAY	HELIOCENTRIC ORBIT					
1978-053A	COSMOS 1011	10917	USSR	23 MAY	104.7	82.9	1006	954		
1978-053B		10918	USSR	23 MAY	104.6	82.9	996	951		
1978-055A	MOLNIYA 1-40	10925	USSR	02 JUN	718.0	63.1	39787	576		
1978-055E		10949	USSR	02 JUN	732.4	63.3	40046	1029		
1978-056A	COSMOS 1013	10930	USSR	07 JUN	116.3	74.0	1552	1476		
1978-056B	COSMOS 1014	10931	USSR	07 JUN	116.0	74.0	1529	1471		
1978-056C	COSMOS 1015	10932	USSR	07 JUN	115.8	74.0	1515	1471		
1978-056D	COSMOS 1016	10933	USSR	07 JUN	115.6	74.0	1496	1469		
1978-056E	COSMOS 1017	10934	USSR	07 JUN	115.4	74.0	1489	1456		
1978-056F	COSMOS 1018	10935	USSR	07 JUN	115.2	74.0	1485	1441		
1978-056G	COSMOS 1019	10936	USSR	07 JUN	115.0	74.0	1485	1422		
1978-056H	COSMOS 1020	10937	USSR	07 JUN	114.8	74.0	1482	1405		
1978-056J		10938	USSR	07 JUN	117.8	74.0	1690	1477		
1978-058A		10941	US	10 JUN	NO	ELEMENTS AVAILABLE				
1978-058B		10942	US	10 JUN	NO	ELEMENTS AVAILABLE				
1978-062A	GOES 3	10953	US	16 JUN	1436.0	9.1	35808	35761		
1978-062B		10954	US	16 JUN	107.3	28.4	1651	555		
1978-062D		20801	US	16 JUN	1451.1	11.3	39990	32168		
1978-063A	COSMOS 1023	10961	USSR	21 JUN	100.4	74.1	787	766		
1978-063B		10962	USSR	21 JUN	100.2	74.1	785	748		
1978-063C		13497	USSR	21 JUN	100.2	74.1	781	755		
1978-063D		14804	USSR	21 JUN	98.4	74.0	691	675		
1978-064A	SEASAT 1	10967	US	27 JUN	100.1	108.0	765	761		
1978-066A	COSMOS 1024	10970	USSR	28 JUN	718.0	67.4	34844	5521		
1978-066D		10998	USSR	28 JUN	720.1	67.4	35183	5287		
1978-067A	COSMOS 1025	10973	USSR	28 JUN	95.9	82.5	572	552		
1978-067B		10974	USSR	28 JUN	97.2	82.5	635	609		
1978-068A	COMSTAR 3	10975	US	29 JUN	1451.8	6.3	36181	36004		
1978-068B		10976	US	29 JUN	648.7	21.9	36253	637		
1978-071A	ESA GEOS 2	10981	ESA	14 JUL	1449.1	11.1	36056	36023		
1978-071C		10983	US	14 JUL	409.5	25.7	23536	241		
1978-073A	RADUGA 4	10987	USSR	18 JUL	1435.5	11.6	35816	35735		
1978-073D		11074	USSR	18 JUL	565.5	46.3	31893	657		
1978-073E		11941	USSR	18 JUL	1475.9	12.0	36629	36494		
1978-074A	COSMOS 1027	10991	USSR	27 JUL	104.6	82.9	996	956		
1978-074B		10992	USSR	27 JUL	104.5	82.9	986	958		
1978-075A		10993	US	05 AUG	NO	ELEMENTS AVAILABLE				
1978-075B		10994	US	05 AUG	NO	ELEMENTS AVAILABLE				

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1978-078C	ICE	11003	US	08 AUG	HELIOCENTRIC ORBIT				
1978-079A		11004	US	12 AUG	HELIOCENTRIC ORBIT				
1978-079C		11006	US	12 AUG	28.2			587	
1978-079D		13413	US	12 AUG	NO ELEMENTS AVAILABLE				
1978-080A	MOLNIYA 1-42	11007	USSR	22 AUG	709.9	62.5	2640		
1978-080D		11075	USSR	22 AUG	731.0	63.2	39703	262	
1978-083A		11015	USSR	06 SEP	718.7	66.4	40724	279	
1978-083D		11076	USSR	06 SEP	723.2	67.4	35945	4454	
1978-083E		12907	USSR	06 SEP	711.4	64.0	35473	5149	
1978-083F		12919	USSR	06 SEP	719.5	64.0	36813	3227	
1978-083G		13959	USSR	06 SEP	721.7	63.7	37421	3020	
1978-084A	VENERA 11	11020	USSR	09 SEP	HELIOCENTRIC ORBIT			2948	
1978-086A	VENERA 12	11025	USSR	14 SEP	HELIOCENTRIC ORBIT				
1978-087A	JIKI 'KEN	11027	USSR	16 SEP	376.2	31.3	21525	242	
1978-087B		11028	JAPAN	16 SEP	318.8	31.2	17910	251	
1978-091A	COSMOS 1034	11042	USSR	04 OCT	114.9	74.0	1478	1420	
1978-091B	COSMOS 1035	11044	USSR	04 OCT	114.6	74.0	1476	1401	
1978-091C	COSMOS 1036	11045	USSR	04 OCT	115.1	74.0	1479	1439	
1978-091D	COSMOS 1037	11046	USSR	04 OCT	115.3	74.0	1480	1458	
1978-091E	COSMOS 1038	11047	USSR	04 OCT	115.5	74.0	1484	1475	
1978-091F	COSMOS 1039	11048	USSR	04 OCT	116.3	74.0	1550	1476	
1978-091G	COSMOS 1039	11049	USSR	04 OCT	116.0	74.0	1525	1477	
1978-091H	COSMOS 1040	11050	USSR	04 OCT	115.8	74.0	1506	1475	
1978-091J	COSMOS 1041	11051	USSR	04 OCT	117.9	74.0	1696	1480	
1978-093A		11054	US	07 OCT	744.2	63.6	20941	20705	
1978-094A	COSMOS 1043	11055	USSR	10 OCT	93.6	81.2	455	448	
1978-094B		11056	USSR	10 OCT	95.0	81.2	544	491	
1978-095A		11057	USSR	13 OCT	717.8	63.0	39741	612	
1978-095E		11059	USSR	13 OCT	734.3	63.0	40280	884	
1978-096A		11060	US	13 OCT	101.7	98.7	845	829	
1978-096B		11061	US	13 OCT	100.1	98.9	763	758	
1978-096C		11062	US	13 OCT	100.0	98.9	762	757	
1978-098A		11080	US	24 OCT	104.0	99.1	955	940	
1978-098B	NIMBUS 7	11081	US	24 OCT	104.0	99.6	966	924	
1978-100A	CAMEO	11084	USSR	26 OCT	120.3	82.5	1702	1683	
1978-100D	COSMOS 1045	11084	USSR	26 OCT	SEE NOTE		29*		
1978-100B	RADIO 1	11085	USSR	26 OCT	120.3	82.5	1704	1683	
1978-100C	RADIO 2	11086	USSR	26 OCT	120.3	82.5	1702	1683	
1978-105A	COSMOS 1048	11111	USSR	16 NOV	100.5	74.0	797	769	
1978-105B		11112	USSR	16 NOV	100.4	74.0	804	750	
1978-105C		11113	USSR	16 NOV	99.8	74.0	757	741	
1978-105D		11114	USSR	16 NOV	99.6	74.0	745	731	
1978-106A	NATO III-C	11115	NATO	19 NOV	1462.2	6.9	36307	36283	
1978-109A	COSMOS 1051	11128	USSR	05 DEC	114.6	74.0	1484	1392	
1978-109B	COSMOS 1052	11129	USSR	05 DEC	114.8	74.0	1487	1392	
1978-109C	COSMOS 1053	11130	USSR	05 DEC	115.0	74.0	1486	1427	
1978-109D	COSMOS 1054	11131	USSR	05 DEC	115.2	74.0	1487	1444	
1978-109E	COSMOS 1055	11132	USSR	05 DEC	115.4	74.0	1488	1462	
1978-109F	COSMOS 1056	11133	USSR	05 DEC	115.7	74.0	1501	1470	
1978-109G	COSMOS 1057	11134	USSR	05 DEC	115.9	74.0	1513	1478	
1978-109H	COSMOS 1058	11135	USSR	05 DEC	116.1	74.0	1536	1477	
1978-109J		11136	USSR	05 DEC	118.1	74.0	1698	1489	
1978-112A		11141	US	11 DEC	746.5	64.3	21012	20749	
1978-112B		11142	US	11 DEC	269.5	63.8	14253	628	
1978-113A		11144	US	14 DEC	1435.5	9.3	35792	35755	
1978-113B		11145	US	14 DEC	1451.8	9.0	36104	36082	
1978-113D		11147	US	16 DEC	1533.4	10.9	38847	36494	
1978-116A	ANIK B1	11153	CANADA	16 DEC	1442.7	5.8	35943	35887	

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INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT					PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH							
1978-117A	COSMOS 1063	11155	USSR	19 DEC	95.2	81.2	529	522			
1978-117B		11156	USSR	19 DEC	95.3	81.3	555	507			
1978-118A	GORIZONT 1	11158	USSR	19 DEC	1436.0	21.7	49357	22210			
1978-118C		11926	USSR	19 DEC	1417.4	21.4	48725	22114			
1978-121A	COSMOS 1066	11165	USSR	23 DEC	102.0	81.2	891	818			
1978-121B		11166	USSR	23 DEC	101.9	81.2	898	799			
1978-121C		19643	USSR	23 DEC	101.9	81.2	895	798			
1978-122A	COSMOS 1067	11168	USSR	26 DEC	109.0	83.0	1208	1155			
1978-122B		11170	USSR	26 DEC	108.9	83.0	1194	1157			
1979 LAUNCHES											
1979-003A	COSMOS 1072	11238	USSR	16 JAN	104.8	82.9	1011	957			
1979-003B		11239	USSR	16 JAN	104.7	82.9	1009	949			
1979-004A	MOLNIYA 3-11	11240	USSR	18 JAN	717.6	63.5	39784	561			
1979-004D		11553	USSR	18 JAN	733.0	63.9	40190	911			
1979-005A	METEOR 1-29	11251	USSR	25 JAN	96.2	97.7	599	548			
1979-005B		11252	USSR	25 JAN	94.7	97.4	510	497			
1979-007A	SCATHA	11256	US	30 JAN	1418.4	9.4	42737	28140			
1979-009A	AYAME 1	11261	JAPAN	06 FEB	1312.8	2.0	37404	29269			
1979-011A	COSMOS 1076	11266	USSR	12 FEB	95.2	82.5	536	521			
1979-011B		11267	USSR	12 FEB	97.1	82.5	631	607			
1979-012A	COSMOS 1077	11268	USSR	13 FEB	94.5	81.2	500	491			
1979-012B		11269	USSR	13 FEB	95.0	81.2	551	490			
1979-015A	EKRAN 3	11273	USSR	21 FEB	1436.4	11.3	35951	35632			
1979-015D		11300	USSR	21 FEB	1421.0	11.1	35536	35446			
1979-017AM		16084	US	24 FEB	93.7	97.9	467	442			
1979-017AN		16085	US	24 FEB	94.2	97.8	486	474			
1979-017BX		16308	US	24 FEB	93.1	97.8	432	419			
1979-017CA		16311	US	24 FEB	93.7	97.8	466	446			
1979-017FE		16480	US	24 FEB	93.7	97.8	462	449			
1979-017FF		16484	US	24 FEB	92.1	97.6	385	370			
1979-017FG		16485	US	24 FEB	90.4	97.4	300	285			
1979-017GJ		16551	US	24 FEB	93.0	97.8	430	410			
1979-017GX		16564	US	24 FEB	94.2	97.8	482	474			
1979-017JF		16878	US	24 FEB	93.9	97.9	474	458			
1979-017JH		17094	US	24 FEB	93.9	97.8	484	449			
1979-020A	INTERCOSMOS 19	11285	USSR	27 FEB	96.5	74.0	723	455			
1979-020B		11286	USSR	27 FEB	96.7	74.0	742	454			
1979-021A	METEOR 2-4	11288	USSR	01 MAR	102.0	81.2	872	836			
1979-021B		11289	USSR	01 MAR	102.0	81.2	912	799			
1979-021C		11290	USSR	01 MAR	102.1	81.2	882	833			
1979-021D		14632	USSR	01 MAR	102.8	81.3	931	853			
1979-024A	COSMOS 1081	11296	USSR	15 MAR	114.5	74.0	1464	1401			
1979-024B	COSMOS 1082	11297	USSR	15 MAR	114.7	74.0	1463	1421			
1979-024C	COSMOS 1083	11298	USSR	15 MAR	114.9	74.0	1463	1441			
1979-024D	COSMOS 1084	11299	USSR	15 MAR	115.1	74.0	1462	1459			
1979-024E	COSMOS 1085	11300	USSR	15 MAR	115.6	74.0	1502	1463			
1979-024F	COSMOS 1086	11301	USSR	15 MAR	115.4	74.0	1480	1463			
1979-024G	COSMOS 1087	11302	USSR	15 MAR	115.8	74.0	1522	1463			
1979-024H	COSMOS 1088	11303	USSR	15 MAR	116.1	74.0	1544	1464			
1979-024J		11304	USSR	15 MAR	117.6	74.0	1688	1457			
1979-025B		11306	US	16 MAR	NO	ELEMENTS	AVAILABLE				
1979-026A	COSMOS 1089	11308	USSR	21 MAR	104.7	83.0	997	964			
1979-026B		11309	USSR	21 MAR	104.6	83.0	988	961			
1979-028A	COSMOS 1091	11320	USSR	07 APR	104.8	82.9	1006	959			
1979-028B		11321	USSR	07 APR	104.6	82.9	991	962			
1979-030A	COSMOS 1092	11326	USSR	11 APR	104.7	82.9	1002	957			

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1979-030B	MOLNIYA 1-43	11327	USSR	11 APR	104.6	82.9	997	954		
1979-031A		11328	USSR	12 APR	100.4	63.7	1460	99		
1979-031D		11551	USSR	12 APR	620.8	64.1	35321	132		
1979-032A		11331	USSR	14 APR	94.4	81.2	497	484		
1979-032B		11332	USSR	14 APR	95.7	81.2	585	518		
1979-035A	RADUGA 5	11343	USSR	25 APR	1435.8	11.2	35788	35772		
1979-035E		17873	USSR	25 APR	1437.3	11.2	35934	35685		
1979-038A	FLTSATCOM 2	11353	US	04 MAY	1461.3	9.2	36334	36222		
1979-046A		11378	USSR	31 MAY	104.7	82.9	1004	953		
1979-046B		11379	USSR	31 MAY	104.6	82.9	990	957		
1979-050A		11389	US	06 JUN	NO	ELEMENTS	AVAILABLE			
1979-050B		11403	US	06 JUN	NO	ELEMENTS	AVAILABLE			
1979-050C	COSMOS 1109	11408	US	06 JUN	NO	ELEMENTS	AVAILABLE			
1979-050D		11410	US	06 JUN	NO	ELEMENTS	AVAILABLE			
1979-050G		11534	US	06 JUN	NO	ELEMENTS	AVAILABLE			
1979-053A		11397	US	10 JUN	NO	ELEMENTS	AVAILABLE			
1979-053C		11436	US	10 JUN	NO	ELEMENTS	AVAILABLE			
1979-053D	NOAA 6	20364	US	10 JUN	NO	ELEMENTS	AVAILABLE			
1979-057A		11416	US	27 JUN	100.7	98.6	801	786		
1979-057B		11419	US	27 JUN	98.9	98.3	707	702		
1979-057C		11634	US	27 JUN	98.9	98.3	710	705		
1979-057D		22139	US	27 JUN	99.2	98.6	745	696		
1979-058A	COSMOS 1109	11417	USSR	27 JUN	718.3	63.3	39424	957		
1979-058D		11555	USSR	27 JUN	721.6	67.9	38581	1960		
1979-058E		12833	USSR	27 JUN	715.2	67.2	38326	1900		
1979-058F		12834	USSR	27 JUN	719.3	67.7	34707	5722		
1979-058G		12909	USSR	27 JUN	719.6	68.2	39114	1329		
1979-058H	COSMOS 1110	12995	USSR	27 JUN	698.9	66.3	38251	1169		
1979-058J		13960	USSR	27 JUN	720.1	67.5	38503	1966		
1979-060A		11425	USSR	28 JUN	100.6	74.0	797	776		
1979-060B		11427	USSR	28 JUN	100.4	74.0	792	762		
1979-060C		14866	USSR	28 JUN	99.4	74.0	731	726		
1979-060D	GORIZONT 2	15784	USSR	28 JUN	99.8	74.0	753	747		
1979-062A		11440	USSR	05 JUL	1436.4	10.8	35809	35776		
1979-062D		14005	USSR	05 JUL	1474.4	11.1	36553	36511		
1979-067A		11457	USSR	20 JUL	91.0	81.2	324	320		
1979-067B		11458	USSR	20 JUL	94.7	81.2	533	479		
1979-070A	MOLNIYA 1-44	11474	USSR	31 JUL	717.9	63.7	39380	978		
1979-070D		11556	USSR	31 JUL	733.1	64.0	39596	1511		
1979-072A		11484	US	10 AUG	1441.0	4.6	35889	35874		
1979-072C		13940	US	11 JAN	207.5	24.3	10281	179		
1979-077A		11509	USSR	28 AUG	716.9	67.4	35129	5182		
1979-077D	COSMOS 1124	11550	USSR	28 AUG	723.8	67.4	35576	5076		
1979-077E		12814	USSR	28 AUG	720.2	68.3	38472	2001		
1979-077F		12815	USSR	28 AUG	715.5	67.1	35239	5004		
1979-077G		12816	USSR	28 AUG	686.5	63.6	36895	1904		
1979-077H		12817	USSR	28 AUG	720.7	68.4	37999	2497		
1979-078A	COSMOS 1125	11510	USSR	28 AUG	100.6	74.0	796	778		
1979-078B		11511	USSR	28 AUG	100.4	74.0	790	767		
1979-078C		14805	USSR	28 AUG	99.4	74.1	734	725		
1979-078D		14806	USSR	28 AUG	100.4	74.0	780	772		
1979-078E		18650	USSR	28 AUG	99.3	74.1	730	718		
1979-084A	COSMOS 1130	11538	USSR	25 SEP	114.6	74.0	1478	1395		
1979-084B	COSMOS 1131	11539	USSR	25 SEP	114.8	74.0	1480	1408		
1979-084C	COSMOS 1132	11540	USSR	25 SEP	114.9	74.0	1480	1423		
1979-084D	COSMOS 1133	11541	USSR	25 SEP	115.1	74.0	1480	1437		
1979-084E	COSMOS 1134	11542	USSR	25 SEP	115.3	74.0	1481	1452		
1979-084F	COSMOS 1135	11543	USSR	25 SEP	115.4	74.0	1490	1460		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1979-084G	COSMOS 1136	11544	USSR	25 SEP	115.6	74.0	1495	1470		
1979-084H	COSMOS 1137	11545	USSR	25 SEP	115.8	74.0	1512	1470		
1979-084J		11546	USSR	25 SEP	117.8	74.0	1682	1479		
1979-086A		11558	US	01 OCT	NO	ELEMENTS	AVAILABLE			
1979-086C		11560	US	01 OCT	NO	ELEMENTS	AVAILABLE			
1979-087A	EKRAN 4	11561	USSR	03 OCT	1436.3	10.9	35853	35727		
1979-087C		17939	USSR	03 OCT	1433.4	10.9	35880	35587		
1979-089A	COSMOS 1140	11573	USSR	11 OCT	100.4	74.1	787	765		
1979-089B		11574	USSR	11 OCT	100.2	74.1	779	755		
1979-089C		14345	USSR	11 OCT	99.9	74.0	764	742		
1979-089D		14807	USSR	11 OCT	99.3	74.1	732	718		
1979-089E		19048	USSR	11 OCT	100.0	74.0	773	743		
1979-090A	COSMOS 1141	11585	USSR	16 OCT	104.6	82.9	996	952		
1979-090B		11586	USSR	16 OCT	104.4	82.9	988	947		
1979-090C		11587	USSR	16 OCT	102.4	82.9	893	850		
1979-091A	MOLNIYA 1-45	11589	USSR	20 OCT	717.5	61.8	39804	657		
1979-091D		11602	USSR	20 OCT	731.7	61.9	40380	657		
1979-093A	COSMOS 1143	11600	USSR	26 OCT	95.3	81.2	535	533		
1979-093B		11601	USSR	26 OCT	95.8	81.2	584	528		
1979-095A	METEOR 2-5	11608	USSR	31 OCT	102.4	81.2	879	861		
1979-095B		11621	US	21 NOV	1435.9	8.6	35787	35778		
1979-098A		11622	US	21 NOV	1436.1	8.6	35799	35774		
1979-098B		11623	US	21 NOV	1510.8	10.0	38531	35940		
1979-098C		11629	USSR	27 NOV	94.6	81.2	503	496		
1979-099A	COSMOS 1145	11630	USSR	27 NOV	95.5	81.2	574	513		
1979-099B		11635	US	07 DEC	788.9	8.2	35423	8385		
1979-101A	RCA SATCOM III	11648	USSR	28 DEC	1435.4	10.5	35801	35744		
1979-105A	GORIZONT 3	11684	USSR	28 DEC	1459.2	10.6	36316	36159		
1979-105E										
1980 LAUNCHES										
1980-003A	COSMOS 1150	11667	USSR	14 JAN	104.8	83.0	1011	962		
1980-003B		11668	USSR	14 JAN	104.7	82.9	996	962		
1980-004A	FLTSATCOM 3	11669	US	18 JAN	1436.7	8.4	35885	35710		
1980-005A	COSMOS 1151	11671	USSR	23 JAN	96.3	82.5	591	570		
1980-005B		11672	USSR	23 JAN	97.2	82.5	635	609		
1980-007A	COSMOS 1153	11680	USSR	25 JAN	104.8	82.9	1014	958		
1980-007B		11681	USSR	25 JAN	104.7	82.9	1008	952		
1980-008A	COSMOS 1154	11682	USSR	30 JAN	95.6	81.2	552	542		
1980-008B		11683	USSR	30 JAN	96.0	81.2	599	533		
1980-011A		11690	US	09 FEB	718.0	64.7	20548	19817		
1980-011B		11705	US	09 FEB	289.4	63.7	15610	619		
1980-012A	COSMOS 1156	11691	USSR	11 FEB	114.5	74.0	1472	1396		
1980-012B	COSMOS 1157	11692	USSR	11 FEB	114.7	74.0	1475	1412		
1980-012C	COSMOS 1158	11693	USSR	11 FEB	115.0	74.0	1475	1431		
1980-012D	COSMOS 1159	11694	USSR	11 FEB	115.2	74.0	1477	1447		
1980-012E	COSMOS 1160	11695	USSR	11 FEB	115.4	74.0	1481	1463		
1980-012F	COSMOS 1161	11696	USSR	11 FEB	115.6	74.0	1500	1466		
1980-012G	COSMOS 1162	11697	USSR	11 FEB	115.8	74.0	1516	1470		
1980-012H	COSMOS 1163	11698	USSR	11 FEB	116.1	74.0	1541	1469		
1980-012J		11699	USSR	11 FEB	117.8	74.0	1691	1467		
1980-016A	RADUGA 6	11708	USSR	20 FEB	1435.3	10.7	35778	35763		
1980-016D		11728	USSR	20 FEB	1475.1	11.0	36617	36476		
1980-018A	AYAME 2	11715	JAPAN	22 FEB	1386.6	1.4	36839	32785		
1980-018C		11718	US	22 FEB	317.7	24.5	17816	271		
1980-019A		11720	US	03 MAR	NO	ELEMENTS	AVAILABLE			
1980-019B		11721	US	03 MAR	NO	ELEMENTS	AVAILABLE			

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1980-019C						11731	US	03 MAR	NO	ELEMENTS	AVAILABLE		
1980-019D						11732	US	03 MAR	NO	ELEMENTS	AVAILABLE		
1980-019E						11733	US	03 MAR	NO	ELEMENTS	AVAILABLE		
1980-019F						11734	US	03 MAR	NO	ELEMENTS	AVAILABLE		
1980-019G						11745	US	03 MAR	NO	ELEMENTS	AVAILABLE		
1980-019H						11746	US	03 MAR	NO	ELEMENTS	AVAILABLE		
1980-022A	COSMOS 1168					11735	USSR	17 MAR	104.7	82.9	1007	956	
1980-022B						11736	USSR	17 MAR	104.6	82.9	1000	952	
1980-022C						12404	USSR	17 MAR	103.0	82.9	923	881	
1980-026A	COSMOS 1171					11750	USSR	03 APR	104.8	65.8	1005	965	
1980-026B						11751	USSR	03 APR	104.6	65.8	992	960	
1980-026C						11752	USSR	03 APR	104.8	65.8	1002	963	
1980-028A	COSMOS 1172					11758	USSR	12 APR	719.1	65.4	38669	1748	
1980-028E						11762	USSR	12 APR	722.3	65.8	39174	1401	
1980-030A	COSMOS 1174					11765	USSR	18 APR	103.0	66.1	1426	376	
1980-030AE						12360	USSR	18 APR	94.6	66.0	620	376	
1980-030AM						13929	USSR	18 APR	93.5	65.7	501	386	
1980-030AQ						13932	USSR	18 APR	95.8	65.6	660	450	
1980-030AX						15781	USSR	18 APR	103.8	65.8	1280	598	
1980-030AY						18644	USSR	18 APR	101.5	67.0	850	805	
1980-030J						11777	USSR	18 APR	99.7	66.0	1041	446	
1980-030K						11778	USSR	18 APR	105.9	66.5	1450	625	
1980-030N						11781	USSR	18 APR	100.4	66.2	1153	397	
1980-030R						12343	USSR	18 APR	104.8	66.4	1338	632	
1980-030V						12347	USSR	18 APR	96.0	66.0	730	403	
1980-030Y						12354	USSR	18 APR	102.6	66.1	1357	408	
1980-032A						11783	US	26 APR	707.8	63.0	20454	19404	
1980-032B						11791	US	26 APR	201.3	63.1	9805	194	
1980-032C						21944	US	26 APR	229.7	62.7	11652	440	
1980-034A	COSMOS 1176					11788	USSR	29 APR	103.4	64.8	953	882	
1980-039A						11971	USSR	29 APR	103.1	64.8	940	867	
1980-039B	COSMOS 1181					11803	USSR	20 MAY	104.8	82.9	1002	967	
1980-044A						11804	USSR	20 MAY	95.4	81.2	541	962	
1980-044B	COSMOS 1184					11821	USSR	04 JUN	96.3	81.3	607	531	
1980-049A	GORIZONT 4					11841	USSR	14 JUN	1460.1	10.2	36267	550	
1980-049F						11862	USSR	14 JUN	1470.4	10.4	36578	36242	
1980-050A						11844	USSR	14 JUN	717.4	67.5	38047	36332	
1980-050B	COSMOS 1188					11847	USSR	14 JUN	722.9	67.5	38259	2286	
1980-051B						11849	USSR	18 JUN	96.1	97.6	589	2347	
1980-052C						11852	US	18 JUN	NO	ELEMENTS	AVAILABLE	552	
1980-056A	COSMOS 1190					11869	USSR	01 JUL	100.6	74.0	792	778	
1980-056B						11870	USSR	01 JUL	100.4	74.1	789	767	
1980-056C						14808	USSR	01 JUL	100.7	74.0	806	778	
1980-056D						14809	USSR	01 JUL	100.5	74.0	792	773	
1980-057A	COSMOS 1191					11871	USSR	02 JUL	716.6	67.6	34679	5618	
1980-057D						11888	USSR	02 JUL	722.0	67.4	35424	5135	
1980-057E						13999	USSR	02 JUL	708.6	65.7	37658	2245	
1980-058A	COSMOS 1192					11875	USSR	09 JUL	114.5	74.0	1472	1394	
1980-058B						11876	USSR	09 JUL	114.7	74.0	1472	1412	
1980-058C	COSMOS 1194					11877	USSR	09 JUL	114.9	74.0	1471	1430	
1980-058D						11878	USSR	09 JUL	115.1	74.0	1472	1448	
1980-058E	COSMOS 1196					11879	USSR	09 JUL	115.3	74.0	1473	1465	
1980-058F						11880	USSR	09 JUL	115.5	74.0	1490	1468	
1980-058G	COSMOS 1197					11881	USSR	09 JUL	115.7	74.0	1506	1471	
1980-058H	COSMOS 1198					11882	USSR	09 JUL	116.0	74.0	1528	1471	
1980-058J						11883	USSR	09 JUL	117.6	74.0	1680	1467	
1980-060A	EKRAN 5					11890	USSR	14 JUL	1436.1	0.0	35834	35737	

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH					
1980-060F		14193	USSR	14 JUL	1417.3	10.3	35492	35341	
1980-063A	MOLNIYA 3-13	11896	USSR	18 JUL	717.8	63.1	38696	1658	
1980-063D		11909	USSR	18 JUL	732.5	63.3	39328	1751	
1980-069A	COSMOS 1206	11932	USSR	15 AUG	95.3	81.2	538	529	
1980-069B		11933	USSR	15 AUG	96.0	81.2	601	535	
1980-073A	METEOR 2-6	11962	USSR	09 SEP	102.1	81.2	887	832	
1980-073B		11963	USSR	09 SEP	102.2	81.2	908	816	
1980-074A	GOES 4	11964	US	09 SEP	1451.3	8.6	36713	35453	
1980-074C		11970	US	09 SEP	1767.3	0.1	49745	34341	
1980-081A	RADUGA 7	12003	USSR	05 OCT	1435.5	10.2	35794	35754	
1980-081F		12447	USSR	05 OCT	1440.5	10.3	35887	35859	
1980-085A	COSMOS 1217	12032	USSR	24 OCT	716.7	67.2	37991	2309	
1980-085D		12035	USSR	24 OCT	722.0	67.5	38602	1959	
1980-087A	FLTSATCOM 4	12046	US	31 OCT	1436.1	8.5	35798	35775	
1980-087B		12069	US	31 OCT	178.6	26.2	7997	260	
1980-089A	COSMOS 1220	12054	USSR	04 NOV	97.7	65.0	755	538	
1980-091A	SBS 1	12065	US	15 NOV	1442.5	5.3	35946	35878	
1980-092A	MOLNIYA 1-48	12066	USSR	16 NOV	713.8	62.6	39279	880	
1980-092D		12070	USSR	16 NOV	733.5	62.6	40288	840	
1980-093A	COSMOS 1222	12071	USSR	21 NOV	95.9	81.2	565	560	
1980-093B		12072	USSR	21 NOV	96.0	81.2	606	531	
1980-095A	COSMOS 1223	12078	USSR	27 NOV	718.7	68.4	35242	5155	
1980-095E		12086	USSR	27 NOV	723.3	68.0	35970	4656	
1980-097A	COSMOS 1225	12087	USSR	05 DEC	104.8	82.9	1023	942	
1980-097B		12088	USSR	05 DEC	104.6	82.9	1010	939	
1980-098A	INTELSAT 5 F-2	12089	ITSO	06 DEC	1436.2	3.8	35806	35769	
1980-098B		12445	US	06 DEC	227.7	23.6	11569	380	
1980-099A	COSMOS 1226	12091	USSR	10 DEC	104.8	82.9	1007	958	
1980-099B		12092	USSR	10 DEC	104.6	82.9	997	954	
1980-100A		12093	US	13 DEC	NO ELEMENTS AVAILABLE				
1980-100B		12094	US	13 DEC	NO ELEMENTS AVAILABLE				
1980-102A	COSMOS 1228	12107	USSR	23 DEC	114.4	74.0	1463	1390	
1980-102B	COSMOS 1229	12108	USSR	23 DEC	114.6	74.0	1463	1411	
1980-102C	COSMOS 1230	12109	USSR	23 DEC	114.4	74.0	1463	1396	
1980-102D	COSMOS 1231	12110	USSR	23 DEC	114.5	74.0	1463	1403	
1980-102E	COSMOS 1232	12111	USSR	23 DEC	114.6	74.0	1463	1410	
1980-102F	COSMOS 1233	12112	USSR	23 DEC	114.7	74.0	1463	1416	
1980-102G	COSMOS 1234	12113	USSR	23 DEC	114.6	74.0	1463	1407	
1980-102H	COSMOS 1235	12114	USSR	23 DEC	114.9	74.0	1463	1410	
1980-102J	PROGNOZ 8	12115	USSR	23 DEC	114.6	74.0	1466	1436	
1980-103A	EKRAN 6	12116	USSR	25 DEC	5687.8	65.8	197364	978	
1980-104A		12120	USSR	26 DEC	1436.4	10.1	35801	35783	
1980-104E		12471	USSR	26 DEC	1420.9	10.0	35630	35347	
1981 LAUNCHES									
1981-002A	MOLNIYA 3-14	12133	USSR	09 JAN	717.8	63.8	39407	946	
1981-002B		12134	USSR	09 JAN	732.2	64.2	39617	1445	
1981-003A	COSMOS 1238	12138	USSR	16 JAN	106.3	83.0	1716	395	
1981-003B		12139	USSR	16 JAN	104.8	83.0	1582	392	
1981-006A	COSMOS 1241	12149	USSR	21 JAN	104.9	65.8	1005	975	
1981-006B		12150	USSR	21 JAN	104.6	65.8	1022	930	
1981-006C		12151	USSR	21 JAN	104.8	65.8	1003	971	
1981-008A	COSMOS 1242	12154	USSR	27 JAN	96.3	81.2	587	571	
1981-008B		12155	USSR	27 JAN	96.4	81.2	629	543	
1981-009A	MOLNIYA 1-49	12156	USSR	30 JAN	717.5	63.8	38287	2053	
1981-009D		12159	USSR	30 JAN	731.6	64.1	38632	2402	
1981-012A	KIKU 3	12295	JAPAN	11 FEB	378.5	28.4	21651	255	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1981-012C	COSMOS 1244	12787	JAPAN	11 FEB	513.0	28.4	29433	265	
1981-013A		12297	USSR	12 FEB	104.7	83.0	1004	958	
1981-013B	COSMOS 1247	12298	USSR	12 FEB	104.6	83.0	998	953	
1981-016A		12303	USSR	19 FEB	711.1	67.3	35256	4768	
1981-016E		12311	USSR	19 FEB	703.5	67.2	34924	4723	
1981-016F		12984	USSR	19 FEB	710.5	67.3	35159	4833	
1981-016G		12985	USSR	19 FEB	710.1	65.4	37292	2682	
1981-016H		12992	USSR	19 FEB	706.6	65.8	38696	1106	
1981-018A	COMSTAR 4	12309	US	21 FEB	1436.2	6.4	35791	35785	
1981-018B		12363	US	21 FEB	649.7	20.5	36332	606	
1981-021A	COSMOS 1249	12319	USSR	05 MAR	103.9	65.0	990	890	
1981-021C		12551	USSR	05 MAR	103.5	65.0	968	883	
1981-022A	COSMOS 1250	12320	USSR	06 MAR	114.4	74.0	1469	1387	
1981-022B	COSMOS 1251	12321	USSR	06 MAR	114.6	74.0	1470	1401	
1981-022C	COSMOS 1252	12322	USSR	06 MAR	114.7	74.0	1469	1416	
1981-022D	COSMOS 1253	12323	USSR	06 MAR	115.6	74.0	1495	1465	
1981-022E	COSMOS 1254	12324	USSR	06 MAR	114.9	74.0	1469	1430	
1981-022F	COSMOS 1255	12325	USSR	06 MAR	115.0	74.0	1469	1430	
1981-022G	COSMOS 1256	12326	USSR	06 MAR	115.2	74.0	1474	1454	
1981-022H	COSMOS 1257	12327	USSR	06 MAR	115.4	74.0	1477	1466	
1981-022J		12328	USSR	06 MAR	117.6	74.0	1694	1454	
1981-025A		12339	US	16 MAR	NO	ELEMENTS	AVAILABLE		
1981-025C		12371	US	16 MAR	NO	ELEMENTS	AVAILABLE		
1981-027A	RADUGA 8	12351	USSR	18 MAR	1434.3	10.1	36101	35401	
1981-027F		14194	USSR	18 MAR	1474.5	10.4	36614	36454	
1981-028BE		13682	USSR	20 MAR	95.4	65.0	557	521	
1981-030D	COSMOS 1261	12383	USSR	24 MAR	630.0	63.9	35825	105	
1981-031A		12376	USSR	31 MAR	716.9	67.6	35652	4658	
1981-031D		12384	USSR	31 MAR	707.5	67.5	34956	4888	
1981-031E		12892	USSR	31 MAR	719.4	68.1	37401	2868	
1981-031F		12893	USSR	31 MAR	716.1	68.2	37293	3094	
1981-031G		12894	USSR	31 MAR	718.4	65.2	37293	388	
1981-033A	COSMOS 1263	12388	USSR	09 APR	106.0	83.0	1695	371	
1981-033B		12389	USSR	09 APR	103.8	83.0	1502	751	
1981-036E		12427	USSR	16 APR	102.3	99.0	985	905	
1981-037A	COSMOS 1266	12409	USSR	21 APR	103.6	64.8	948	906	
1981-037D		12435	USSR	21 APR	103.3	64.8	927		
1981-038A		12418	US	24 APR	NO	ELEMENTS	AVAILABLE		
1981-038B		12446	US	24 APR	NO	ELEMENTS	AVAILABLE		
1981-041A	COSMOS 1269	12442	USSR	07 MAY	100.7	74.1	798	781	
1981-041B		12443	USSR	07 MAY	100.5	74.1	786	782	
1981-041C		13498	USSR	07 MAY	100.1	74.0	772	754	
1981-041D	METEOR 2-7	14346	USSR	07 MAY	99.6	74.0	750	733	
1981-043A		12456	USSR	14 MAY	102.2	81.3	888	835	
1981-043B		12457	USSR	14 MAY	102.4	81.3	915	824	
1981-043C		15769	USSR	14 MAY	102.4	81.3	916	825	
1981-044A	NNSS 30480	12458	US	15 MAY	108.9	90.1	1184	1162	
1981-046A	COSMOS 1271	12464	USSR	19 MAY	96.2	81.2	584	569	
1981-046B		12465	USSR	19 MAY	96.7	81.2	634	562	
1981-049A	GOES 5	12472	US	22 MAY	1436.6	5.7	35808	35785	
1981-050A	INTELSAT 5 F-1	12474	ITSO	23 MAY	1438.2	4.4	35856	35799	
1981-050B		12497	US	23 MAY	217.9	24.0	10918	311	
1981-053B	COSMOS 1275	12504	USSR	04 JUN	104.7	83.0	1005	953	
1981-053B	TO 053MT		USSR	04 JUN	SEE NOTE	34*			34*
1981-054A	MOLNIYA 3-16	12512	USSR	09 JUN	717.6	63.8	39808	536	
1981-054E		12519	USSR	09 JUN	733.5	64.1	40219	909	
1981-057A	METEOSAT 2	12544	ESA	19 JUN	1458.7	5.6	36330	36124	
1981-057B	APPLE	12545	INDIA	19 JUN	1439.5	9.2	35957	35748	

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH					
1981-057C		12546	ESA	19 JUN	515.7	10.5	29596	253	
1981-057F		20837	ESA	19 JUN	1449.1	9.2	36363	35718	
1981-058A	COSMOS 1278	12547	USSR	19 JUN	717.4	67.2	37304	30333	
1981-058D		12561	USSR	19 JUN	724.0	67.5	38295	2365	
1981-058E		17256	USSR	19 JUN	716.9	67.5	37257	3054	
1981-059A	NOAA 7	12553	US	23 JUN	101.7	98.9	847	829	
1981-059B		12559	US	23 JUN	100.9	98.9	804	796	
1981-059C		12560	US	23 JUN	100.9	98.9	804	797	
1981-061A	EKRAN 7	12564	USSR	25 JUN	1435.4	9.8	35787	35756	
1981-061F		12585	USSR	25 JUN	1425.6	9.7	35587	35575	
1981-065A	METEOR 1-31	12586	USSR	10 JUL	96.8	97.9	615	574	
1981-065B		12618	USSR	10 JUL	1437.1	9.7	35815	589	
1981-069A	RADUGA 9	12850	USSR	30 JUL	1473.9	9.9	36626	36421	
1981-070A	DE 1	12624	US	03 AUG	409.7	88.8	23286	505	
1981-070E		12679	US	03 AUG	410.8	88.9	23364	491	
1981-070J		14620	US	03 AUG	393.9	88.8	22294	546	
1981-070K		14621	US	03 AUG	396.8	88.9	22475	545	
1981-070L		19478	US	03 AUG	402.0	88.8	22862	522	
1981-071A	COSMOS 1285	12627	USSR	04 AUG	722.7	67.5	36156	4651	
1981-071D		12680	USSR	04 AUG	727.7	67.6	35768	4829	
1981-071E		12993	USSR	04 AUG	727.7	67.6	36087	4756	
1981-071F		13961	USSR	04 AUG	726.8	68.1	36964	3834	
1981-073A	FLTSATCOM 5	12635	US	06 AUG	1460.4	8.1	36311	36209	
1981-074A	COSMOS 1287	12636	USSR	06 AUG	115.7	74.0	1510	1462	
1981-074B	COSMOS 1288	12637	USSR	06 AUG	115.5	74.0	1490	1462	
1981-074C	COSMOS 1289	12638	USSR	06 AUG	114.7	74.0	1463	1423	
1981-074D	COSMOS 1290	12639	USSR	06 AUG	114.9	74.0	1463	1439	
1981-074E	COSMOS 1291	12640	USSR	06 AUG	115.1	74.0	1463	1455	
1981-074F	COSMOS 1292	12641	USSR	06 AUG	115.3	74.0	1474	1462	
1981-074G	COSMOS 1293	12642	USSR	06 AUG	114.6	74.0	1464	1406	
1981-074H	COSMOS 1294	12643	USSR	06 AUG	114.4	74.0	1463	1390	
1981-074J	INTERCOSMOS	12644	USSR	06 AUG	117.4	74.0	1668	1462	
1981-075A		12645	USSR	07 AUG	101.6	81.2	881	789	
1981-075B		12646	USSR	07 AUG	101.8	81.2	890	792	
1981-076A	GMS 2	12677	JAPAN	10 AUG	1446.5	8.3	36037	35943	
1981-077A	COSMOS 1295	12681	USSR	12 AUG	104.6	82.9	1008	944	
1981-077B		12682	USSR	12 AUG	104.5	82.9	995	944	
1981-081A	COSMOS 1299	12783	USSR	24 AUG	103.9	65.1	978	910	
1981-082A	COSMOS 1300	12785	USSR	24 AUG	96.7	82.5	613	589	
1981-082B		12786	USSR	24 AUG	97.3	82.5	643	614	
1981-084A	COSMOS 1302	12791	USSR	28 AUG	100.5	74.0	797	771	
1981-084B		12792	USSR	28 AUG	100.4	74.0	787	766	
1981-084C		12793	USSR	28 AUG	100.0	74.0	760	755	
1981-084D		14810	USSR	28 AUG	100.6	74.0	801	769	
1981-087A	COSMOS 1304	12803	USSR	04 SEP	103.8	82.9	972	903	
1981-087B		12804	USSR	04 SEP	103.7	82.9	965	900	
1981-088A	COSMOS 1305	12818	USSR	11 SEP	263.7	63.5	13245	1240	
1981-088F		12827	USSR	11 SEP	262.4	63.5	13205	1189	
1981-088G		14131	USSR	11 SEP	247.4	63.3	12494	855	
1981-088H		18598	USSR	11 SEP	251.1	63.7	12764	845	
1981-091A	COSMOS 1308	12835	USSR	18 SEP	104.7	82.9	1000	959	
1981-091B		12836	USSR	18 SEP	104.6	82.9	993	959	
1981-094A	OREOL 3	12848	USSR	21 SEP	106.0	82.5	1687	394	
1981-094B		12849	USSR	21 SEP	108.1	82.5	1877	400	
1981-096A	SBS 2	12855	US	24 SEP	1436.2	4.4	35797	35778	
1981-098A	COSMOS 1312	12879	USSR	30 SEP	115.9	82.6	1499	1486	
1981-098B		12880	USSR	30 SEP	115.8	82.6	1498	1486	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1981-100C		12889	US	06 OCT	118.7	99.9	2695	550	
1981-102A	RADUGA 10	12897	USSR	09 OCT	1436.2	9.4	35806	35769	
1981-102F		14195	USSR	09 OCT	1437.0	9.5	35860	35749	
1981-103A	COSMOS 1315	12903	USSR	13 OCT	96.4	81.2	603	572	
1981-103B		12904	USSR	13 OCT	96.9	81.2	637	580	
1981-105A	MOLNIYA 3-17	12915	USSR	17 OCT	713.8	63.0	39371	784	
1981-105E		12920	USSR	17 OCT	733.2	63.4	40308	806	
1981-106A	VENERA 13	12927	USSR	30 OCT	HELIOCENTRIC ORBIT				
1981-107A		12930	US	31 OCT	NO ELEMENTS AVAILABLE				
1981-107C		12932	US	31 OCT	NO ELEMENTS AVAILABLE				
1981-108A	COSMOS 1317	12933	USSR	31 OCT	718.8	68.3	35290	5115	
1981-108D		12940	USSR	31 OCT	723.3	68.2	36070	4555	
1981-108E		14734	USSR	31 OCT	713.6	65.3	36709	3438	
1981-108F		14735	USSR	31 OCT	714.7	65.1	36478	3725	
1981-108G		14736	USSR	31 OCT	719.9	68.4	35351	5110	
1981-110A	VENERA 14	12938	USSR	04 NOV	HELIOCENTRIC ORBIT				
1981-113A	MOLNIYA 1-51	12959	USSR	17 NOV	713.7	63.7	39943	211	
1981-113D		12986	USSR	17 NOV	698.7	63.9	39025	382	
1981-114A	RCA SATCOM IIIR	12967	US	20 NOV	1438.6	1.8	35846	35826	
1981-116A	COSMOS 1320	12975	USSR	28 NOV	117.2	74.0	1633	1478	
1981-116B	COSMOS 1321	12976	USSR	28 NOV	117.2	74.0	1629	1479	
1981-116C	COSMOS 1322	12977	USSR	28 NOV	117.2	74.0	1627	1479	
1981-116D	COSMOS 1323	12978	USSR	28 NOV	117.1	74.0	1622	1479	
1981-116E	COSMOS 1324	12979	USSR	28 NOV	117.1	74.0	1618	1479	
1981-116F	COSMOS 1325	12980	USSR	28 NOV	117.0	74.0	1615	1479	
1981-116G	COSMOS 1326	12981	USSR	28 NOV	117.0	74.0	1609	1478	
1981-116H	COSMOS 1327	12982	USSR	28 NOV	116.9	74.0	1601	1479	
1981-117A	COSMOS 1328	12983	USSR	28 NOV	117.5	74.0	1661	1478	
1981-117B		12987	USSR	03 DEC	96.9	82.5	622	597	
1981-117B		12988	USSR	03 DEC	97.3	82.5	645	614	
1981-119A	INTELSAT 5 F-3	12994	ITSO	15 DEC	1436.1	3.4	35801	35770	
1981-119B		13007	US	15 DEC	220.6	23.6	11150	278	
1981-120A	RADIO 3	12997	USSR	17 DEC	118.4	83.0	1655	1562	
1981-120B	RADIO 8	12998	USSR	17 DEC	119.6	83.0	1679	1649	
1981-120C	RADIO 5	12999	USSR	17 DEC	119.4	83.0	1668	1642	
1981-120D	RADIO 4	13000	USSR	17 DEC	119.3	83.0	1662	1633	
1981-120E	RADIO 7	13001	USSR	17 DEC	119.1	83.0	1658	1620	
1981-120F	RADIO 6	13002	USSR	17 DEC	118.6	83.0	1656	1579	
1981-120G		13003	USSR	17 DEC	120.8	83.0	1782	1650	
1981-122A	MARECS A	13010	ESA	20 DEC	1436.0	5.6	35795	35775	
1981-122B	CAT 4	13011	ESA	20 DEC	543.4	10.5	31094	267	
1981-123A	MOLNIYA 1-52	13012	USSR	23 DEC	717.8	63.8	38085	2272	
1981-123D		13016	USSR	23 DEC	695.2	64.1	37030	2206	
1982 LAUNCHES									
1982-001A		13027	USSR	07 JAN	100.4	74.0	794	758	
1982-001B	COSMOS 1331	13028	USSR	07 JAN	100.3	74.0	789	759	
1982-001C		13029	USSR	07 JAN	100.0	74.0	768	747	
1982-001D		13030	USSR	07 JAN	99.5	74.0	750	715	
1982-003A	COSMOS 1333	13033	USSR	14 JAN	104.9	82.9	1011	963	
1982-003B		13034	USSR	14 JAN	104.7	82.9	1004	957	
1982-004A		13035	US	16 JAN	1446.0	1.1	35988	35970	
1982-006C	RCA SATCOM IV	13103	US	21 JAN	NO ELEMENTS AVAILABLE				
1982-006D		13104	US	21 JAN	NO ELEMENTS AVAILABLE				
1982-006E		13105	US	21 JAN	NO ELEMENTS AVAILABLE				
1982-006F		13152	US	21 JAN	NO ELEMENTS AVAILABLE				
1982-009A	EKRAN 8	13056	USSR	05 FEB	1440.8	9.3	35996	35761	

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1982-009F		14117	USSR	05 FEB		1426.0	9.2	35752	35424	
1982-012A	COSMOS 1339	13065	USSR	17 FEB		104.7	82.9	1012	946	
1982-012B		13066	USSR	17 FEB		104.6	82.9	1006	940	
1982-013A	COSMOS 1340	13067	USSR	19 FEB		96.7	81.2	606	591	
1982-013B		13068	USSR	19 FEB		96.7	81.2	625	580	
1982-014A	WESTAR 4	13069	US	26 FEB		1443.4	1.1	35934	35923	
1982-015A	MOLNIYA 1-53	13070	USSR	26 FEB		717.8	63.1	39145	1212	
1982-015D		13075	USSR	26 FEB		730.9	63.6	39816	1180	
1982-016A	COSMOS 1341	13080	USSR	03 MAR		717.9	67.5	35686	4673	
1982-016D		13090	USSR	03 MAR		708.9	67.3	35777	4140	
1982-017A	INTELSAT 5 F-4	13083	ITSO	05 MAR		1435.3	3.4	35791	35751	
1982-019A		13086	US	06 MAR		NO	ELEMENTS	AVAILABLE		
1982-019B		13089	US	06 MAR		NO	ELEMENTS	AVAILABLE		
1982-020A	GORIZONT 5	13092	USSR	15 MAR		1461.5	9.2	36431	36133	
1982-020F		13899	USSR	15 MAR		1460.0	9.3	36375	36129	
1982-024A	COSMOS 1344	13110	USSR	24 MAR		104.8	82.9	1005	964	
1982-024B		13111	USSR	24 MAR		104.7	82.9	1009	948	
1982-025A	METEOR 2	13113	USSR	25 MAR		104.0	82.5	957	933	
1982-025B		13114	USSR	25 MAR		104.0	82.5	957	934	
1982-027A	COSMOS 1346	13120	USSR	31 MAR		96.5	81.2	604	574	
1982-027B		13121	USSR	31 MAR		96.8	81.2	635	576	
1982-029A	COSMOS 1348	13124	USSR	07 APR		718.4	68.2	35489	4897	
1982-029D		13169	USSR	07 APR		705.4	68.1	35339	4402	
1982-030A	COSMOS 1349	13127	USSR	08 APR		104.8	82.9	1007	963	
1982-030B		13128	USSR	08 APR		104.7	82.9	1000	957	
1982-031A	INSAT-1A	13129	INDIA	10 APR		1434.2	0.1	35936	35562	
1982-037A	COSMOS 1354	13148	USSR	28 APR		100.7	74.0	798	783	
1982-037B		13149	USSR	28 APR		100.5	74.0	793	772	
1982-037C		14344	USSR	03 AUG		100.6	74.1	801	772	
1982-037D		14811	USSR	28 APR		100.7	74.0	811	774	
1982-039A	COSMOS 1356	13153	USSR	05 MAY		96.7	81.2	615	588	
1982-039B		13154	USSR	05 MAY		97.2	81.2	661	583	
1982-040A	COSMOS 1357	13160	USSR	06 MAY		114.6	74.0	1477	1397	
1982-040B	COSMOS 1358	13161	USSR	06 MAY		114.8	74.0	1479	1413	
1982-040C	COSMOS 1359	13162	USSR	06 MAY		115.0	74.0	1478	1430	
1982-040D	COSMOS 1360	13163	USSR	06 MAY		115.2	74.0	1479	1444	
1982-040E	COSMOS 1361	13164	USSR	06 MAY		115.3	74.0	1481	1459	
1982-040F	COSMOS 1362	13165	USSR	06 MAY		115.5	74.0	1493	1465	
1982-040G	COSMOS 1363	13166	USSR	06 MAY		115.7	74.0	1503	1471	
1982-040H	COSMOS 1364	13167	USSR	06 MAY		115.9	74.0	1522	1471	
1982-040J		13168	USSR	06 MAY		117.7	74.1	1685	1470	
1982-041C		13172	US	11 MAY		NO	ELEMENTS	AVAILABLE		
1982-043A	COSMOS 1365	13175	USSR	14 MAY		103.6	65.1	976	884	
1982-043D		13176	USSR	14 MAY		103.3	65.1	964	869	
1982-044A	COSMOS 1366	13594	USSR	14 MAY		1435.9	8.8	35802	35762	
1982-044F		14114	USSR	17 MAY		1437.8	8.8	35894	35746	
1982-045A	COSMOS 1367	13205	USSR	20 MAY		716.9	67.7	35930	4379	
1982-045D		13215	USSR	20 MAY		704.0	67.2	36106	3568	
1982-050E		13253	USSR	28 MAY		658.4	64.2	37265	118	
1982-051A	COSMOS 1371	13241	USSR	01 JUN		100.7	74.0	801	782	
1982-051B		13242	USSR	01 JUN		100.5	74.0	799	763	
1982-051C		14398	USSR	01 JUN		100.3	74.0	777	772	
1982-051D		18502	USSR	01 JUN		100.4	74.1	776	775	
1982-051E		18509	USSR	01 JUN		100.3	74.0	784	765	
1982-051F		18510	USSR	01 JUN		100.4	74.0	790	763	
1982-051G		19102	USSR	01 JUN		100.3	74.1	784	761	
1982-052A	COSMOS 1372	13243	USSR	01 JUN		103.9	64.9	962	923	
1982-052D		13416	USSR	01 JUN		103.6	64.9	931	924	

INTER-NATIONAL DESIGNATION		NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI-NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
OBJECTS IN ORBIT										
1982-055A	TO 055BM	COSMOS 1375	13259	USSR	06 JUN	105.0	65.8	1014	975	
1982-055B				USSR	06 JUN	SEE NOTE		37*		37*
1982-058A	WESTAR 5	COSMOS 1378	13269	US	09 JUN	1451.4	0.8	36149	36023	
1982-059A	COSMOS 1378		13271	USSR	10 JUN	96.9	82.5	620	596	
1982-059B			13272	USSR	10 JUN	97.3	82.5	644	615	
1982-064A	COSMOS 1382		13295	USSR	25 JUN	718.0	68.0	35333	5030	
1982-064D			13298	USSR	25 JUN	708.4	67.7	35189	4701	
1982-066A	COSMOS 1383		13301	USSR	29 JUN	105.2	82.9	1024	983	
1982-066B			13302	USSR	29 JUN	105.1	82.9	1027	968	
1982-069A	COSMOS 1386		13353	USSR	07 JUL	104.6	83.0	1005	947	
1982-069B			13354	USSR	07 JUL	104.5	83.0	1007	930	
1982-072A	LANDSAT 4		13367	US	16 JUL	98.8	98.3	705	693	
1982-073A	COSMOS 1388		13375	USSR	21 JUL	114.5	74.0	1471	1391	
1982-073B	COSMOS 1389		13376	USSR	21 JUL	114.7	74.0	1472	1408	
1982-073C	COSMOS 1390		13377	USSR	21 JUL	114.9	74.0	1472	1425	
1982-073D	COSMOS 1391		13378	USSR	21 JUL	115.0	74.0	1473	1441	
1982-073E	COSMOS 1392		13379	USSR	21 JUL	115.2	74.0	1472	1458	
1982-073F	COSMOS 1393		13380	USSR	21 JUL	115.4	74.0	1481	1467	
1982-073G	COSMOS 1394		13381	USSR	21 JUL	115.6	74.0	1494	1472	
1982-073H	COSMOS 1395		13382	USSR	21 JUL	115.8	74.0	1514	1471	
1982-073J			13386	USSR	21 JUL	117.9	74.0	1710	1462	
1982-074D			13390	USSR	21 JUL	688.3	63.3	38695	192	
1982-079A	COSMOS 1400		13402	USSR	05 AUG	96.4	81.2	592	578	
1982-079B			13403	USSR	05 AUG	96.9	81.2	645	573	
1982-082A	ANIK D-1		13431	CANADA	26 AUG	1438.5	1.5	35851	35814	
1982-083A	MOLNIYA 3-19		13432	USSR	27 AUG	717.1	64.0	38327	1993	
1982-083E			13446	USSR	27 AUG	733.1	64.3	38944	2161	
1982-087A	ETS 3		13492	JAPAN	03 SEP	107.2	44.6	1226	966	
1982-087B			13493	JAPAN	03 SEP	105.1	44.6	1007	992	
1982-087C			13510	JAPAN	03 SEP	107.0	44.6	1220	950	
1982-087D			14569	JAPAN	03 SEP	106.3	44.9	1147	962	
1982-092A	COSMOS 1408		13552	USSR	16 SEP	96.8	82.6	617	591	
1982-092B			13553	USSR	16 SEP	97.3	82.6	646	615	
1982-093A	EKRAN 9		13554	USSR	16 SEP	1437.1	8.8	35903	35708	
1982-093F			14115	USSR	16 SEP	1422.1	8.7	35546	35479	
1982-095A	COSMOS 1409		13585	USSR	22 SEP	718.6	66.5	36694	3702	
1982-095D			13591	USSR	22 SEP	707.2	66.0	37288	2540	
1982-096A	COSMOS 1410		13589	USSR	24 SEP	115.9	82.6	1499	1489	
1982-096B			13590	USSR	24 SEP	115.8	82.6	1498	1487	
1982-097A	INTELSAT 5F 5		13595	ITSO	28 SEP	1436.1	2.9	35819	35754	
1982-099A	COSMOS 1412		13600	USSR	02 OCT	103.9	64.8	980	904	
1982-099E			13653	USSR	02 OCT	103.6	64.8	957	897	
1982-100A	COSMOS 1413		13603	USSR	12 OCT	673.3	64.7	19075	19062	
1982-100D	COSMOS 1414		13606	USSR	12 OCT	675.7	64.7	19210	19048	
1982-100E	COSMOS 1415		13607	USSR	12 OCT	673.5	64.7	19074	19072	
1982-100F			13608	USSR	12 OCT	286.3	52.2	15724	298	
1982-100G			13609	USSR	12 OCT	306.0	52.1	16989	336	
1982-100H	COSMOS 1417		13610	USSR	12 OCT	672.9	64.7	19072	19043	
1982-102A			13617	USSR	19 OCT	104.7	83.0	1006	954	
1982-102B			13618	USSR	19 OCT	104.6	83.0	998	951	
1982-103A	GORIZONT 6		13624	USSR	20 OCT	1436.0	8.4	35797	35769	
1982-103E			13630	USSR	20 OCT	1435.0	8.3	35824	35707	
1982-105A	RCA SATCOM-V		13631	US	28 OCT	1436.2	1.7	35795	35779	
1982-106A			13636	US	30 OCT	1436.1	5.7	35947	35626	
1982-106B			13637	US	30 OCT	1436.1	2.5	35792	35779	
1982-106D			13643	US	30 OCT	1449.0	7.0	36203	35875	
1982-109A	COSMOS 1420		13648	USSR	11 NOV	100.6	74.0	800	769	
1982-109B			13649	USSR	11 NOV	100.4	74.0	793	763	

OBJECTS IN ORBIT

INTER-NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI-NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1882-109D		15528	USSR	11 NOV	100.2	74.0	780	760	
1882-110B	SBS 3	13651	US	11 NOV	1436.2	1.2	35799	35776	
1882-110C	ANIK C-3	13652	CANADA	12 NOV	1436.1	1.3	35796	35778	
1882-110D		13658	US	11 NOV	629.4	23.2	35509	389	
1882-110E		13666	US	11 NOV	628.4	23.0	35459	388	
1882-113A	RADUGA 11	13669	USSR	26 NOV	1473.8	7.9	36694	36348	
1882-113F		13954	USSR	26 NOV	1475.9	8.0	36659	36463	
1882-116A	METEOR 2-9	13718	USSR	14 DEC	101.8	81.2	882	803	
1882-116B		13719	USSR	14 DEC	101.8	81.3	896	796	
1882-116C		13720	USSR	14 DEC	101.8	81.2	882	802	
1882-116D		17755	USSR	14 DEC	101.8	81.3	897	793	
1882-118A		13736	US	21 DEC	101.0	98.6	810	797	
1882-118C		13738	US	21 DEC	97.9	98.5	658	656	
1883 LAUNCHES									
1883-001A	COSMOS 1428	13757	USSR	12 JAN	104.6	82.9	999	949	
1883-001B		13758	USSR	12 JAN	104.5	82.9	989	948	
1883-001C		14568	USSR	12 JAN	103.3	82.9	935	896	
1883-002A	COSMOS 1429	13761	USSR	19 JAN	115.8	74.0	1517	1464	
1883-002B	COSMOS 1430	13762	USSR	19 JAN	115.6	74.0	1497	1464	
1883-002C	COSMOS 1431	13763	USSR	19 JAN	115.4	74.0	1481	1463	
1883-002D	COSMOS 1432	13764	USSR	19 JAN	115.2	74.0	1465	1461	
1883-002E	COSMOS 1433	13765	USSR	19 JAN	115.0	74.0	1465	1461	
1883-002F	COSMOS 1434	13766	USSR	19 JAN	114.8	74.0	1464	1444	
1883-002G	COSMOS 1435	13767	USSR	19 JAN	114.6	74.0	1466	1429	
1883-002H	COSMOS 1436	13768	USSR	19 JAN	114.5	74.0	1465	1396	
1883-002J		13769	USSR	19 JAN	117.9	74.0	1692	1477	
1883-003A	COSMOS 1437	13770	USSR	20 JAN	96.6	81.2	608	582	
1883-003B		13771	USSR	20 JAN	96.8	81.2	638	574	
1883-004A	IRAS	13777	US	26 JAN	102.9	99.0	903	884	
1883-004B		13778	US	26 JAN	102.3	100.0	882	851	
1883-004C		13783	US	26 JAN	102.8	99.0	902	878	
1883-006A	CS-2A	13782	JAPAN	04 FEB	1448.7	5.0	36075	35990	
1883-006B		13786	JAPAN	04 FEB	141.8	28.5	5034	224	
1883-008A		13791	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1883-008B		13792	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1883-008C		13834	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1883-008D		13835	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1883-008E		13844	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1883-008F		13845	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1883-008G		13849	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1883-008H		13874	US	09 FEB	96.4	81.1	589	580	
1883-010A	COSMOS 1441	13818	USSR	16 FEB	96.7	81.1	634	562	
1883-010B		13819	USSR	16 FEB	96.7	81.1	634	562	
1883-015A	MOLNIYA 3-20	13875	USSR	11 MAR	717.3	64.0	38573	1757	
1883-015E		13882	USSR	11 MAR	732.0	64.3	39348	1703	
1883-016A	EKRAN 10	13878	USSR	12 MAR	1515.4	9.3	37474	37174	
1883-016F		14086	USSR	12 MAR	1424.5	8.8	35630	35486	
1883-019A	MOLNIYA 1-56	13890	USSR	12 MAR	720.5	64.0	39253	1236	
1883-019D		13897	USSR	16 MAR	732.7	64.0	39887	1200	
1883-020A	ASTRON	13901	USSR	23 MAR	5929.9	33.7	178073	26218	
1883-020D		20413	USSR	23 MAR	5835.4	33.9	177564	24415	
1883-021A	COSMOS 1447	13916	USSR	24 MAR	104.7	82.9	1010	952	
1883-021B		13917	USSR	24 MAR	104.6	82.9	997	954	
1883-022A	NOAA 8	13923	US	28 MAR	101.0	98.5	817	793	
1883-023A	COSMOS 1448	13949	USSR	30 MAR	104.7	83.0	1001	955	
1883-023B		13950	USSR	30 MAR	104.6	83.0	1004	946	

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1983-025A	MOLNIYA 1-57	13964	USSR	02 APR	717.4	63.9	39016	1320		
1983-025D		13967	USSR	02 APR	699.3	64.3	37961	1476		
1983-026B	TDRS 1	13969	US	04 APR	1436.1	6.6	35797	35777		
1983-026C		13970	US	04 APR	1089.7	4.5	35353	22044		
1983-026D		13971	US	04 APR	529.6	25.9	30335	276		
1983-028F	RADUGA 12	13974	USSR	08 APR	1436.5	7.6	35795	35792		
1983-030A	RCA SATCOM VI	13983	USSR	08 APR	1439.3	7.6	35960	35738		
1983-030B		13984	US	11 APR	1442.0	0.1	35956	35847		
1983-031A	COSMOS 1452	13985	US	11 APR	112.9	25.4	2428	295		
1983-031B		13991	USSR	12 APR	100.6	74.0	800	774		
1983-031D		13992	USSR	12 APR	100.5	74.1	785	775		
1983-037A	COSMOS 1455	14032	USSR	12 APR	100.7	74.1	808	777		
1983-037B		14033	USSR	23 APR	96.8	82.5	617	596		
1983-038A	COSMOS 1456	14034	USSR	23 APR	97.4	82.5	645	619		
1983-038E		14041	USSR	25 APR	719.0	66.7	37959	2457		
1983-038H		14041	USSR	25 APR	707.2	66.6	37636	2195		
1983-038J		14297	USSR	25 APR	719.0	66.9	36977	3436		
1983-038K		14301	USSR	25 APR	789.5	67.0	43591	246		
1983-041A	GOES 6	14306	USSR	25 APR	720.6	64.3	39697	795		
1983-041B		14050	US	28 APR	1435.4	4.5	35785	35758		
1983-041C		14051	US	28 APR	115.4	25.3	2542	406		
1983-042A	COSMOS 1459	14069	USSR	28 APR	1707.4	10.9	49205	32679		
1983-042B		14057	USSR	06 MAY	104.6	83.0	1012	940		
1983-044A	COSMOS 1461	14059	USSR	06 MAY	104.5	83.0	1002	938		
1983-044AA		14064	USSR	06 MAY	98.6	65.0	828	552		
1983-044EL		15707	USSR	07 MAY	96.3	65.1	662	503		
1983-046A	COSMOS 1463	18480	USSR	07 MAY	98.0	65.0	782	539		
1983-047A	INTELSAT 5 F-6	14075	USSR	19 MAY	89.6	82.8	304	203		
1983-048A		14077	ITSO	19 MAY	1436.2	1.9	35797	35779		
1983-048B	COSMOS 1464	14084	USSR	24 MAY	104.8	82.9	1004	961		
1983-051B		14085	USSR	24 MAY	104.6	82.9	997	958		
1983-053A	VENERA 15	14096	US	26 MAY	119.1	72.3	2519	758		
1983-054A	VENERA 16	14104	USSR	02 JUN	VENUS ORBIT					
1983-056A		14107	USSR	07 JUN	VENUS ORBIT					
1983-056B		14112	US	09 JUN	NO ELEMENTS AVAILABLE					
1983-056C		14113	US	09 JUN	NO ELEMENTS AVAILABLE					
1983-056D		14143	US	09 JUN	NO ELEMENTS AVAILABLE					
1983-056E		14144	US	09 JUN	NO ELEMENTS AVAILABLE					
1983-056F		14145	US	09 JUN	NO ELEMENTS AVAILABLE					
1983-056G		14146	US	09 JUN	NO ELEMENTS AVAILABLE					
1983-056H		14180	US	09 JUN	NO ELEMENTS AVAILABLE					
1983-058A	ECS 1	14181	US	09 JUN	NO ELEMENTS AVAILABLE					
1983-058B	OSCAR 10	14128	ESA	16 JUN	1436.1	3.0	35802	35770		
1983-058C		14129	FRG	16 JUN	699.5	27.0	35427	4022		
1983-058F		14130	ESA	16 JUN	331.8	8.4	18715	281		
1983-059B	ANIK C2	17331	ESA	16 JUN	116.4	7.6	2730	307		
1983-059C	PALAPA B1	14133	CANADA	18 JUN	1436.1	1.2	35793	35780		
1983-059D		14134	INDNSA	18 JUN	1436.1	2.4	35790	35784		
1983-059E		14135	US	18 JUN	602.6	23.4	34151	357		
1983-060C		14136	US	18 JUN	620.5	25.6	35136	305		
1983-061A	COSMOS 1470	14139	US	20 JUN	NO ELEMENTS AVAILABLE					
1983-061B		14147	USSR	22 JUN	97.0	82.5	629	596		
1983-063A		14148	USSR	22 JUN	97.4	82.5	650	616		
1983-063B		14154	US	27 JUN	100.6	82.0	819	754		
1983-063C		14155	US	27 JUN	100.5	82.0	813	750		
1983-063D		14222	US	27 JUN	99.7	82.4	760	723		
1983-065A	GALAXY 1	14223	US	27 JUN	100.8	81.7	842	751		
		14158	US	28 JUN	1436.1	0.0	35791	35782		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES	
			SOURCE	LAUNCH							
1983-065C	GORIZONT 7	14168	US	28 JUN	272.6	23.2	14897	201			
1983-066A		14160	USSR	30 JUN	1464.3	7.3	36386	36286			
1983-066E		14167	USSR	30 JUN	147.2	46.5	5514	200			
1983-066F		15141	USSR	30 JUN	1475.2	7.4	36598	36497			
1983-067A	PROGNOZ 9	14163	USSR	01 JUL	NO	CURRENT ELEMENTS					
1983-069A	COSMOS 1473	14171	USSR	06 JUL	114.4	74.0	1461	1392			
1983-069B	COSMOS 1474	14172	USSR	06 JUL	114.6	74.0	1462	1408			
1983-069C	COSMOS 1475	14173	USSR	06 JUL	114.7	74.0	1461	1426			
1983-069D	COSMOS 1476	14174	USSR	06 JUL	114.9	74.0	1461	1443			
1983-069E	COSMOS 1477	14175	USSR	06 JUL	115.1	74.0	1463	1459			
1983-069F	COSMOS 1478	14176	USSR	06 JUL	115.3	74.0	1479	1461			
1983-069G	COSMOS 1479	14177	USSR	06 JUL	115.5	74.0	1497	1461			
1983-069H	COSMOS 1480	14178	USSR	06 JUL	115.8	74.0	1517	1460			
1983-069J		14179	USSR	06 JUL	117.4	74.0	1668	1461			
1983-070A	COSMOS 1481	14182	USSR	08 JUL	707.3	67.2	36368	3469			
1983-070D		14191	USSR	08 JUL	707.9	67.3	36191	3676			
1983-070E		14192	USSR	08 JUL	708.9	67.3	36463	3449			
1983-070F		20412	USSR	08 JUL	705.8	67.5	36835	2925			
1983-072A		14189	US	14 JUL	718.0	63.9	20547	19816			
1983-072B		14190	US	14 JUL	371.8	64.1	20219	1278			
1983-073A	MOLNIYA 1-58	14199	USSR	19 JUL	502.7	63.8	29006	123			
1983-075A	COSMOS 1484	14207	USSR	24 JUL	96.1	97.5	595	548			
1983-075B		14208	USSR	24 JUL	96.8	97.6	629	581			
1983-075C		14209	USSR	24 JUL	96.5	97.6	622	560			
1983-075D		14229	USSR	24 JUL	97.1	97.8	646	593			
1983-075E		14631	USSR	24 JUL	96.4	97.6	604	566			
1983-075F		14928	USSR	24 JUL	96.8	97.6	629	582			
1983-077A	TELSTAR 3A	14234	US	28 JUL	1436.2	0.1	35796	35780			
1983-077C		14236	US	28 JUL	212.9	22.7	10637	224			
1983-078A		14237	US	31 JUL	NO	ELEMENTS AVAILABLE					
1983-078B		14238	US	31 JUL	NO	ELEMENTS AVAILABLE					
1983-079A	COSMOS 1486	14240	USSR	03 AUG	100.6	74.1	794	775			
1983-079B		14241	USSR	03 AUG	100.5	74.1	794	766			
1983-079D		14813	USSR	03 AUG	100.8	74.0	809	778			
1983-079E		15756	USSR	03 AUG	99.8	74.1	759	741			
1983-081A	CS-2B	14248	JAPAN	05 AUG	1457.4	4.3	36212	36191			
1983-084A	COSMOS 1490	14258	USSR	10 AUG	675.7	64.8	19167	19091			
1983-084B	COSMOS 1491	14259	USSR	10 AUG	668.4	64.7	19066	18823			
1983-084C	COSMOS 1492	14260	USSR	10 AUG	676.8	64.8	19159	19154			
1983-084F		14264	USSR	10 AUG	676.3	64.7	19168	19118			
1983-084G		14277	USSR	10 AUG	325.0	51.9	18238	322			
1983-084H		14278	USSR	10 AUG	323.1	52.0	18143	296			
1983-088A	RADUGA 13	14307	USSR	25 AUG	1466.9	7.3	36431	36341			
1983-088F		14333	USSR	25 AUG	1475.2	7.4	36619	36477			
1983-089B	INSAT 1B	14318	INDIA	31 AUG	1436.2	3.0	35811	35765			
1983-089C		14524	US	31 AUG	554.7	24.6	31704	266			
1983-090A	MOLNIYA 3-21	14313	USSR	30 AUG	717.0	64.4	38246	2067			
1983-090D		14319	USSR	30 AUG	731.2	64.3	38972	2043			
1983-094A	RCA SATCOM VII	14328	US	08 SEP	1436.2	0.0	35803	35772			
1983-094B		14329	US	08 SEP	108.7	25.5	2049	279			
1983-098A	GALAXY 2	14365	US	22 SEP	1436.2	0.0	35792	35783			
1983-099A	COSMOS 1500	14372	USSR	28 SEP	96.9	82.5	625	595			
1983-099B		14373	USSR	28 SEP	97.4	82.5	649	615			
1983-100A	EKRAN 11	14377	USSR	30 SEP	1435.3	8.0	35782	35760			
1983-100F		14394	USSR	30 SEP	1425.0	7.9	35653	35485			
1983-103A	COSMOS 1503	14401	USSR	12 OCT	100.7	74.0	800	779			
1983-103B		14402	USSR	12 OCT	100.5	74.1	802	760			
1983-105A	INTELSAT 5 F-7	14421	ITSO	19 OCT	1436.1	2.2	35806	35765			

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH							
1983-108A	COSMOS 1506	14450	USSR	26 OCT		104.6	82.9	1008	946		
1983-108B		14451	USSR	26 OCT		104.5	82.9	996	947		
1983-109A	METEOR 2-10	14452	USSR	28 OCT		101.1	81.2	876	743		
1983-109B		14453	USSR	28 OCT		101.2	81.2	889	736		
1983-109C		14454	USSR	28 OCT		101.1	81.2	879	739		
1983-111A	COSMOS 1508	14483	USSR	11 NOV		107.0	82.9	1784	391		
1983-111B		14484	USSR	11 NOV		104.8	82.9	1597	368		
1983-113A		14506	US	18 NOV		101.1	98.4	819	801		
1983-113E		14610	US	18 NOV		98.1	98.5	671	663		
1983-114A	MOLNIYA 1-59	14516	USSR	23 NOV		717.5	64.2	38375	1963		
1983-114D		14520	USSR	23 NOV		699.2	64.3	37485	1947		
1983-115A	COSMOS 1510	14521	USSR	24 NOV		116.0	73.6	1522	1477		
1983-115B		14522	USSR	24 NOV		115.9	73.6	1518	1477		
1983-118A	GORIZONT 8	14532	USSR	30 NOV		1465.4	7.0	36473	36243		
1983-118F		14548	USSR	30 NOV		1436.3	6.8	35985	35596		
1983-120A	COSMOS 1513	14546	USSR	08 DEC		104.8	82.9	1013	955		
1983-120B		14547	USSR	08 DEC		104.6	82.9	1010	938		
1983-122A	COSMOS 1515	14551	USSR	15 DEC		96.9	82.5	621	598		
1983-122B		14552	USSR	15 DEC		97.4	82.5	646	619		
1983-123A	MOLNIYA 3-22	14570	USSR	21 DEC		713.9	64.4	39873	290		
1983-123D		14582	USSR	21 DEC		732.4	64.7	40513	561		
1983-126A	COSMOS 1518	14587	USSR	28 DEC		714.0	67.0	37506	2662		
1983-126D		14596	USSR	28 DEC		705.4	66.9	37265	2476		
1983-127A	COSMOS 1519	14590	USSR	29 DEC		675.7	66.5	19187	19071		
1983-127B	COSMOS 1520	14591	USSR	29 DEC		675.7	66.5	19148	19110		
1983-127C	COSMOS 1521	14592	USSR	29 DEC		673.4	66.5	19148	18993		
1983-127F		14595	USSR	29 DEC		673.1	66.4	19151	18974		
1983-127G		14607	USSR	29 DEC		326.4	52.1	18224	425		
1983-127H		14608	USSR	29 DEC		330.6	51.6	18587	333		
1983-127J		21752	USSR	29 DEC		230.9	53.1	11628	548		
1983-127K		21753	USSR	29 DEC		250.5	52.1	13139	428		
1983-127M		21935	USSR	29 DEC		317.1	52.2	117476	577		
1984 LAUNCHES											
1984-001A	COSMOS 1522	14611	USSR	05 JAN		115.4	74.0	1490	1460		
1984-001B	COSMOS 1522	14612	USSR	05 JAN		114.4	74.0	1458	1395		
1984-001C	COSMOS 1524	14613	USSR	05 JAN		114.6	74.0	1459	1410		
1984-001D	COSMOS 1525	14614	USSR	05 JAN		114.7	74.0	1458	1426		
1984-001E	COSMOS 1526	14615	USSR	05 JAN		114.9	74.0	1460	1440		
1984-001F	COSMOS 1527	14616	USSR	05 JAN		114.7	74.0	1457	1427		
1984-001G	COSMOS 1528	14617	USSR	05 JAN		115.3	74.0	1474	1459		
1984-001H	COSMOS 1529	14618	USSR	05 JAN		115.6	74.0	1509	1460		
1984-001J		14619	USSR	05 JAN		117.5	74.0	1671	1467		
1984-003A		14624	USSR	11 JAN		104.9	82.9	1006	977		
1984-003B		14625	USSR	11 JAN		104.8	82.9	1002	967		
1984-005A	BS-2A	14659	JAPAN	23 JAN		1453.8	4.1	36181	36085		
1984-008A	PRC 14	14670	PRC	29 JAN		162.0	36.1	6462	470		
1984-009A		14675	US	31 JAN		NO ELEMENTS AVAILABLE					
1984-009C		14677	US	31 JAN		NO ELEMENTS AVAILABLE					
1984-010A	COSMOS 1535	14679	USSR	02 FEB		104.7	83.0	1012	951		
1984-010B		14680	USSR	02 FEB		104.6	83.0	1003	948		
1984-011E		14693	US	06 FEB		95.6	28.2	825	265		
1984-011F		14694	US	03 FEB		97.9	27.7	1018	299		
1984-012A		14690	US	05 FEB		NO ELEMENTS AVAILABLE					
1984-012B		14691	US	05 FEB		NO ELEMENTS AVAILABLE					
1984-012C		14728	US	05 FEB		NO ELEMENTS AVAILABLE					
1984-012D		14729	US	05 FEB		NO ELEMENTS AVAILABLE					

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1984-012F		14795	US	05 FEB		NO ELEMENTS AVAILABLE				
1984-012J		15347	US	05 FEB		NO ELEMENTS AVAILABLE				
1984-012K		15348	US	05 FEB		NO ELEMENTS AVAILABLE				
1984-012L		15349	US	05 FEB		NO ELEMENTS AVAILABLE				
1984-013A	COSMOS 1536	14699	USSR	08 FEB	97.1	82.5	633	603		
1984-013B		14700	USSR	08 FEB	97.4	82.5	648	617		
1984-016A	RADUGA 14	14725	USSR	15 FEB	1435.8	6.8	35797	35763		
1984-016F		17874	USSR	15 FEB	1436.9	6.8	35946	35658		
1984-019A	COSMOS 1538	14759	USSR	21 FEB	100.6	74.0	800	769		
1984-019B		14760	USSR	21 FEB	100.5	74.1	802	760		
1984-019C		15785	USSR	21 FEB	100.1	74.0	770	752		
1984-019D		18519	USSR	21 FEB	100.1	74.1	771	751		
1984-021A	LANDSAT 5	14780	US	01 MAR	98.8	98.2	703	695		
1984-021B	UOSAT 2	14781	UK	01 MAR	98.0	97.8	670	653		
1984-022A	COSMOS 1540	14783	USSR	02 MAR	1436.1	7.5	35817	35756		
1984-022F		14948	USSR	02 MAR	1442.1	7.6	36007	35799		
1984-023A	INTELSAT 5 F-8	14786	ITSO	05 MAR	1436.1	1.6	35802	35771		
1984-023B		14787	ESA	05 MAR	554.3	11.0	31648	298		
1984-024A	COSMOS 1541	14790	USSR	06 MAR	718.9	66.6	36330	4078		
1984-024D		14796	USSR	06 MAR	709.8	66.6	36029	3929		
1984-027A	COSMOS 1544	14819	USSR	15 MAR	96.8	82.5	618	595		
1984-027B		14820	USSR	15 MAR	97.4	82.5	645	619		
1984-028A	EKRAN 12	14821	USSR	16 MAR	1499.1	8.3	37059	36962		
1984-028D		14828	USSR	16 MAR	624.7	46.6	35418	238		
1984-028F	MOLNIYA 1-60	15139	USSR	16 MAR	1419.8	7.9	35548	35386		
1984-029A		14825	USSR	16 MAR	717.5	64.5	39750	589		
1984-029D		14830	USSR	16 MAR	731.0	64.7	40313	689		
1984-031A	COSMOS 1546	14867	USSR	29 MAR	1436.2	6.7	35881	35696		
1984-031D		14887	USSR	29 MAR	566.9	45.3	32280	345		
1984-033A	COSMOS 1547	14951	USSR	29 MAR	1448.4	6.7	36093	35961		
1984-033D		14884	USSR	04 APR	717.6	67.5	36431	3914		
1984-035A	PRC 15	14894	USSR	04 APR	706.5	67.3	36220	3577		
1984-035B		14899	PRC	08 APR	1435.9	5.3	35847	35718		
1984-037A		14900	PRC	08 APR	624.2	31.0	35202	430		
1984-037B		14930	US	14 APR	NO	ELEMENTS AVAILABLE				
1984-041A	GORIZONT 9	14931	US	14 APR	NO	ELEMENTS AVAILABLE				
1984-041D		14940	USSR	22 APR	1436.7	6.5	35808	35788		
1984-043A	COSMOS 1550	14943	USSR	22 APR	1460.1	6.6	36312	36196		
1984-043B		14965	USSR	11 MAY	104.9	83.0	1007	970		
1984-046A	COSMOS 1553	14966	USSR	11 MAY	104.8	83.0	995	972		
1984-046B		14973	USSR	17 MAY	104.7	82.9	1004	957		
1984-047A	COSMOS 1554	14974	USSR	17 MAY	104.6	82.9	1008	940		
1984-047B		14977	USSR	19 MAY	675.7	66.8	19181	19077		
1984-047C	COSMOS 1555	14978	USSR	19 MAY	675.7	66.5	19164	19094		
1984-047F	COSMOS 1556	14979	USSR	19 MAY	676.3	66.5	19167	19121		
1984-047G		14984	USSR	19 MAY	675.5	66.5	19165	19083		
1984-047H		15053	USSR	19 MAY	332.2	52.1	18610	409		
1984-049A	SPACENET 1	15054	USSR	19 MAY	312.1	52.0	17408	319		
1984-052A	COSMOS 1559	14985	US	23 MAY	1436.1	0.0	35792	35781		
1984-052B	COSMOS 1560	14998	USSR	28 MAY	115.7	74.0	1508	1467		
1984-052C	COSMOS 1561	14999	USSR	28 MAY	115.5	74.0	1490	1468		
1984-052D	COSMOS 1562	15000	USSR	28 MAY	115.4	74.0	1483	1459		
1984-052E	COSMOS 1563	15001	USSR	28 MAY	115.2	74.0	1474	1452		
1984-052F	COSMOS 1564	15002	USSR	28 MAY	115.0	74.0	1473	1436		
1984-052G	COSMOS 1565	15003	USSR	28 MAY	114.8	74.0	1473	1422		
1984-052H	COSMOS 1566	15004	USSR	28 MAY	114.7	74.0	1473	1407		
1984-052J		15005	USSR	28 MAY	114.5	74.0	1472	1392		
1984-052K		15006	USSR	28 MAY	117.6	74.0	1677	1471		

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1984-055A	COSMOS 1569	15027	USSR	06 JUN	718.6	65.9	37176	3219		
1984-055D		15030	USSR	06 JUN	706.9	66.2	37095	2721		
1984-056A		15031	USSR	08 JUN	100.7	74.1	800	782		
1984-056B		15032	USSR	08 JUN	100.6	74.1	797	772		
1984-056C	COSMOS 1570	15033	USSR	08 JUN	100.7	74.1	803	780		
1984-056D		15757	USSR	08 JUN	95.7	74.0	553	552		
1984-059A		15039	US	13 JUN	718.0	63.7	20302	20060		
1984-059B		15040	US	13 JUN	362.3	62.0	20690	223		
1984-062A	COSMOS 1574	15055	USSR	21 JUN	104.8	83.0	1003	964		
1984-062B		15056	USSR	21 JUN	104.6	83.0	995	960		
1984-063A		15057	USSR	22 JUN	1435.7	6.5	35813	35742		
1984-063E		15076	USSR	22 JUN	349.6	46.9	19910	210		
1984-063F	RADUGA 15	15693	USSR	22 JUN	1394.2	6.3	35035	34888		
1984-065C		15071	US	25 JUN	NO	ELEMENTS	AVAILABLE			
1984-067A		15077	USSR	27 JUN	104.7	83.0	1006	954		
1984-067B		15078	USSR	27 JUN	104.6	83.0	992	956		
1984-068A	COSMOS 1578	15080	USSR	28 JUN	88.5	50.6	229	175		
1984-069A		15085	USSR	29 JUN	103.9	65.1	988	896		
1984-069D		15330	USSR	29 JUN	103.6	65.1	963	893		
1984-069E		19453	USSR	29 JUN	102.6	65.8	936	828		
1984-071A	COSMOS 1581	15095	USSR	03 JUL	720.9	67.9	36305	4201		
1984-071D		15098	USSR	03 JUL	705.6	67.6	35830	3923		
1984-072A		15099	USSR	05 JUL	104.0	82.5	955	937		
1984-072B		15100	USSR	05 JUL	104.0	82.5	954	938		
1984-078A	GORIZONT 10	15144	USSR	01 AUG	1437.3	6.2	35817	35803		
1984-078F		15181	USSR	01 AUG	1437.3	6.2	35917	35703		
1984-079A		15147	USSR	02 AUG	717.4	65.7	36763	3572		
1984-079D		15156	USSR	02 AUG	705.8	65.8	36419	3341		
1984-080A	COSMOS 1586	15152	JAPAN	02 AUG	1436.2	4.1	35792	35786		
1984-080C		15157	JAPAN	02 AUG	192.5	28.8	9150	183		
1984-080E		22266	JAPAN	02 AUG	1443.6	5.8	36512	35354		
1984-081A		15158	ESA	04 AUG	1436.1	2.2	35799	35775		
1984-081B	TELECOM 1A	15159	FRANCE	04 AUG	1463.4	2.1	36462	36177		
1984-081D		15166	ESA	04 AUG	597.6	6.5	33651	597		
1984-081E		20674	ESA	04 AUG	600.3	6.6	33702	688		
1984-084A		15171	USSR	08 AUG	115.9	82.6	1500	1489		
1984-084B	COSMOS 1589	15172	USSR	08 AUG	115.8	82.6	1499	1487		
1984-085A		15182	USSR	10 AUG	715.8	64.3	38482	1775		
1984-085D		15188	USSR	10 AUG	730.9	64.4	39217	1784		
1984-088A		15199	US	16 AUG	939.4	4.8	49758	1032		
1984-088B	CCE IRM UKS	15200	FRG	16 AUG	2653.4	27.0	113818	402		
1984-088C		15201	UK	16 AUG	2659.6	26.9	113417	1002		
1984-088D		15202	US	16 AUG	133.9	28.9	4031	549		
1984-088E		15205	US	16 AUG	132.9	28.7	3947	552		
1984-088F	MOLNIYA 1-61	15206	US	16 AUG	919.2	28.5	49354	520		
1984-088G		19008	US	16 AUG	131.7	28.7	3842	551		
1984-088H		19599	US	16 AUG	133.0	28.7	3951	552		
1984-089A		15214	USSR	24 AUG	735.2	64.0	40261	948		
1984-089D	MOLNIYA 1-62	15223	USSR	24 AUG	738.9	64.1	40007	1385		
1984-090A		15219	USSR	24 AUG	1499.7	7.4	37094	36949		
1984-090F		17875	USSR	24 AUG	1422.1	7.0	35587	35437		
1984-091A		15226	US	28 AUG	NO	ELEMENTS	AVAILABLE			
1984-091B	EKRAN 13	15227	US	28 AUG	NO	ELEMENTS	AVAILABLE			
1984-093B		15235	US	31 AUG	1436.2	0.0	35795	35780		
1984-093C		15236	US	31 AUG	1436.0	4.1	35787	35779		
1984-093D		15237	US	01 SEP	1436.2	0.0	35793	35783		
1984-093E	SBS 4 SYNCOM IV-2 TELSTAR 3C	15244	US	31 AUG	259.0	27.2	13826	335		
1984-093F		15245	US	31 AUG	595.7	22.6	33791	357		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1984-093G	COSMOS 1593	15246	US	01 SEP	640.4	25.3	36105	361		
1984-095A		15259	USSR	04 SEP	675.7	64.8	19175	19083		
1984-095B		15260	USSR	04 SEP	677.2	64.8	19186	19146		
1984-095C		15261	USSR	04 SEP	675.7	64.7	19172	19086		
1984-095F		15264	USSR	04 SEP	675.9	64.7	19179	19089		
1984-095G		15265	USSR	04 SEP	327.4	52.2	18383	328		
1984-095H		15266	USSR	04 SEP	330.7	52.0	18587	340		
1984-096A	COSMOS 1596	15267	USSR	07 SEP	717.0	67.9	36284	4032		
1984-096D		15270	USSR	07 SEP	703.2	67.6	35832	3799		
1984-097A		15271	US	08 SEP	NO ELEMENTS AVAILABLE					
1984-097B		15272	US	08 SEP	369.2	63.7	20340	999		
1984-097E		15292	USSR	13 SEP	104.9	82.9	1012	964		
1984-100A	COSMOS 1598	15293	USSR	13 SEP	104.7	82.9	999	966		
1984-100B		15308	US	21 SEP	1436.2	0.1	35793	35782		
1984-101A		15982	USSR	27 SEP	90.5	65.8	305	289		
1984-105A		15331	USSR	28 SEP	97.0	82.5	629	600		
1984-105B		15332	USSR	28 SEP	97.4	82.5	649	617		
1984-105C	COSMOS 1602	15333	USSR	28 SEP	101.9	71.0	857	837		
1984-106A		15335	USSR	28 SEP	101.4	66.5	840	811		
1984-106C		15338	USSR	28 SEP	101.7	66.6	846	833		
1984-106F		17358	USSR	28 SEP	98.2	66.4	743	603		
1984-106G		22146	USSR	28 SEP	101.1	66.3	991	634		
1984-106P	COSMOS 1604	15350	USSR	04 OCT	717.6	67.8	36283	4061		
1984-107A		15355	USSR	04 OCT	708.1	67.7	35982	3891		
1984-107D		15354	US	05 OCT	96.4	57.0	590	578		
1984-108B		15359	USSR	11 OCT	104.7	82.9	1014	947		
1984-109A		15360	USSR	11 OCT	104.6	82.9	1007	945		
1984-110A	COSMOS 1605	15362	US	12 OCT	108.9	89.9	1199	1149		
1984-111A		15369	USSR	18 OCT	96.9	82.5	623	595		
1984-111B		15370	USSR	18 OCT	97.3	82.5	646	616		
1984-112A		15378	USSR	31 OCT	104.1	65.0	974	927		
1984-112C		15503	USSR	31 OCT	103.8	65.0	946	926		
1984-113B	ANIK D2	15383	CANADA	09 NOV	1436.2	0.0	35796	35780		
1984-113C		15384	US	10 NOV	1466.8	2.8	36427	36341		
1984-113D		15387	US	09 NOV	616.6	26.0	34916	320		
1984-113E		15390	US	10 NOV	259.3	27.1	13860	324		
1984-113F		18904	US	10 NOV	241.0	26.7	12578	325		
1984-114A	SPACENET 2	15385	US	10 NOV	1436.2	0.0	35794	35783		
1984-114B		15386	ESA	10 NOV	1436.2	3.5	35803	35773		
1984-114C		15388	ESA	10 NOV	600.9	7.1	34049	372		
1984-115A		15391	NATO	14 NOV	1436.2	1.4	35796	35780		
1984-115B		15392	US	14 NOV	115.8	21.5	2310	677		
1984-115C	COSMOS 1610	15402	US	14 NOV	635.1	22.8	35815	377		
1984-118A		15398	USSR	15 NOV	104.8	82.9	1009	962		
1984-118B		15399	USSR	15 NOV	104.7	82.9	1002	954		
1984-122A		15423	US	04 DEC	NO ELEMENTS AVAILABLE					
1984-123A		15427	US	12 DEC	101.8	99.1	854	834		
1984-123B	NOAA 9	15440	US	12 DEC	98.1	99.0	669	666		
1984-124A		15429	USSR	14 DEC	718.1	63.9	38913	1457		
1984-124H		15439	USSR	14 DEC	733.4	64.3	39587	1532		
1984-125A		15432	USSR	15 DEC	HELIOCENTRIC ORBIT					
1984-125D		15447	USSR	15 DEC	HELIOCENTRIC ORBIT					
1984-128A	VEGA 1	15449	USSR	21 DEC	HELIOCENTRIC ORBIT					
1984-128B		15450	USSR	21 DEC	HELIOCENTRIC ORBIT					
1984-129A		15453	US	22 DEC	NO ELEMENTS AVAILABLE					
1984-129B		15454	US	22 DEC	NO ELEMENTS AVAILABLE					
1984-129B										

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH	HELIOCENTRIC ORBIT					
1985 LAUNCHES										
1985-001A	MS-T5	15464	JAPAN	07 JAN	HELIOCENTRIC ORBIT	114.0	82.6	1411	1410	
1985-001B		15465	JAPAN	07 JAN	HELIOCENTRIC ORBIT	114.0	82.6	1410	1405	
1985-003A	COSMOS 1617	15469	USSR	15 JAN		113.7	82.6	1410	1381	
1985-003B	COSMOS 1618	15470	USSR	15 JAN		113.8	82.6	1410	1388	
1985-003C	COSMOS 1619	15471	USSR	15 JAN		113.9	82.6	1410	1393	
1985-003D	COSMOS 1620	15472	USSR	15 JAN		114.7	82.6	1469	1398	
1985-003E	COSMOS 1621	15473	USSR	15 JAN		717.9	64.8	39279	1079	
1985-003F	COSMOS 1622	15474	USSR	15 JAN		100.6	74.0	39716	1323	
1985-003G		15475	USSR	15 JAN		100.3	74.0	795	765	
1985-004A	MOLNIYA 3-23	15476	USSR	16 JAN		100.7	74.0	805	777	
1985-004D		15481	USSR	17 JAN		1436.0	5.8	35796	35772	
1985-006A	COSMOS 1624	15482	USSR	17 JAN		1397.8	5.5	35101	34963	
1985-006B		15483	USSR	17 JAN		380.1	46.9	21813	196	
1985-006C		15490	USSR	17 JAN		96.8	82.5	621	591	
1985-006D		15491	USSR	24 JAN		97.3	82.5	646	615	
1985-007A	GORIZONT 11	15484	USSR	24 JAN	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	
1985-007D		15487	USSR	24 JAN	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	
1985-007F		15489	USSR	24 JAN	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	
1985-009A	COSMOS 1626	15494	USSR	18 JAN		104.8	82.9	1014	952	
1985-009B		15495	USSR	01 FEB		104.7	82.9	1005	951	
1985-010B		15543	US	06 FEB		103.9	82.5	957	930	
1985-010C		15544	US	06 FEB		103.9	82.5	956	932	
1985-010D		15545	US	08 FEB	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	NO ELEMENTS AVAILABLE	
1985-011A	COSMOS 1627	15505	USSR	08 FEB		1435.1	1.7	35819	35713	
1985-011B		15506	USSR	08 FEB		1436.2	0.0	35791	35786	
1985-013A	METEOR 2-12	15516	USSR	08 FEB		577.0	6.6	32846	314	
1985-013B		15517	USSR	08 FEB		1436.0	5.9	35807	35764	
1985-014A		15546	US	21 FEB		1448.6	6.0	36139	35921	
1985-014B		15547	US	21 FEB		96.8	82.5	613	599	
1985-015A	ARABSAT 1	15560	SA	05 MAR		97.3	82.5	638	622	
1985-015B	SPTS 1	15561	BRAZIL	13 MAR		100.4	108.1	779	776	
1985-015C		15562	ESA	13 MAR		100.3	108.1	795	745	
1985-016A	COSMOS 1629	15574	USSR	13 MAR		99.3	108.2	741	712	
1985-016F		15581	USSR	13 MAR		100.4	107.8	816	736	
1985-020A	COSMOS 1633	15592	USSR	13 MAR		100.3	107.5	845	701	
1985-020B		15593	USSR	14 MAR		104.7	82.9	1007	955	
1985-021A	GEOSAT	15595	US	14 MAR		104.6	82.9	991	960	
1985-021B		15596	US	21 MAR		115.8	74.1	1510	1471	
1985-021D		15614	US	21 MAR		115.6	74.1	1492	1472	
1985-021E		15615	US	21 MAR		115.4	74.1	1487	1462	
1985-021F		15616	US	21 MAR		115.2	74.0	1478	1454	
1985-022A	COSMOS 1634	15597	USSR	21 MAR		115.1	74.1	1478	1439	
1985-022B		15598	USSR	21 MAR		114.9	74.1	1477	1424	
1985-023A	COSMOS 1635	15617	USSR	21 MAR		114.8	74.1	1477	1410	
1985-023B	COSMOS 1636	15618	USSR	21 MAR		114.6	74.1	1475	1397	
1985-023C	COSMOS 1637	15619	USSR	21 MAR		118.0	74.1	1709	1473	
1985-023D	COSMOS 1638	15620	USSR	22 MAR		1519.1	7.0	37464	37327	
1985-023E	COSMOS 1639	15621	USSR	22 MAR		1422.6	6.6	35588	35455	
1985-023F	COSMOS 1640	15622	USSR	22 MAR		1436.1	0.5	35804	35770	
1985-023G	COSMOS 1641	15623	USSR							
1985-023H	COSMOS 1642	15624	USSR							
1985-023J		15625	USSR							
1985-024A	EKRAN 14	15626	USSR							
1985-024D		15630	USSR							
1985-025A	INTELSAT VF10	15629	ITSO							

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1985-025B		15631	US	22 MAR	322.7	23.0	18225	184		
1985-028B	ANIK C1	15642	CANADA	13 APR	1436.1	0.0	35796	35778		
1985-028C	SYNCOM IV-3	15643	US	12 APR	1436.2	3.3	35803	35772		
1985-028D		15644	US	13 APR	591.3	22.9	33551	366		
1985-028E		16229	US	12 APR	274.4	26.9	14885	330		
1985-033A	PROGNOZ 10	15661	USSR	26 APR	5783.7	76.8	194734	5975		
1985-033D		15664	USSR	26 APR	5784.8	65.0	200315	420		
1985-035A	GSTAR 1	15677	US	08 MAY	1436.2	0.1	35792	35782		
1985-035B	TELECOM 1B	15678	FRANCE	08 MAY	1435.6	4.4	35787	35767		
1985-035C		15679	ESA	08 MAY	469.4	6.9	27022	234		
1985-035D		15680	ESA	08 MAY	304.8	6.7	16426	822		
1985-037A	COSMOS 1650	15697	USSR	17 MAY	675.7	64.9	19177	19081		
1985-037B	COSMOS 1651	15698	USSR	17 MAY	675.6	64.8	19146	19109		
1985-037C	COSMOS 1652	15699	USSR	17 MAY	675.8	64.8	19154	19110		
1985-037F		15702	USSR	17 MAY	675.0	64.8	19166	19057		
1985-037G		15714	USSR	17 MAY	333.7	51.9	18723	393		
1985-037H		15715	USSR	17 MAY	330.5	52.0	18534	377		
1985-040A	MOLNIYA 3-24	15738	USSR	29 MAY	717.5	64.2	39202	1135		
1985-040D		15741	USSR	29 MAY	732.3	64.4	39664	1402		
1985-041A	COSMOS 1655	15751	USSR	30 MAY	105.0	82.9	1012	973		
1985-041B		15752	USSR	30 MAY	104.9	82.9	1006	970		
1985-042A	COSMOS 1656	15755	USSR	30 MAY	101.5	71.1	854	800		
1985-042D		15772	USSR	30 MAY	101.4	71.1	853	798		
1985-042E		15773	USSR	30 MAY	101.1	66.6	831	789		
1985-042F		15774	USSR	30 MAY	101.2	66.6	830	802		
1985-042G		18764	USSR	30 MAY	100.1	66.6	832	693		
1985-042H		18765	USSR	30 MAY	101.2	66.6	815	811		
1985-042J		18766	USSR	30 MAY	102.5	66.6	937	820		
1985-042K		18767	USSR	30 MAY	104.3	66.6	1088	831		
1985-042L		18819	USSR	30 MAY	101.8	66.6	889	796		
1985-045A	COSMOS 1658	15808	USSR	11 JUN	718.6	65.4	36916	3478		
1985-045D		15811	USSR	11 JUN	709.3	65.8	36754	3182		
1985-047A	COSMOS 1660	15821	USSR	14 JUN	116.0	73.6	1523	1479		
1985-047B		15822	USSR	14 JUN	116.0	73.6	1519	1479		
1985-048B	MORELOS A	15824	MEXICO	17 JUN	1436.1	0.0	35793	35781		
1985-048C	ARABSAT 1B	15825	SA	18 JUN	1434.4	1.0	35891	35614		
1985-048D	TELSTAR 3D	15826	US	19 JUN	1436.1	0.0	35789	35783		
1985-048F		15832	US	17 JUN	624.9	25.8	35289	376		
1985-048G		15836	US	18 JUN	618.3	27.0	34923	402		
1985-048H		15837	US	18 JUN	651.4	25.9	36603	425		
1985-049A	COSMOS 1661	15827	USSR	18 JUN	716.9	67.4	36635	3677		
1985-049D		15830	USSR	18 JUN	724.8	67.8	37168	3534		
1985-055A	INTELSAT VA F11	15873	ITSO	30 JUN	1436.1	0.1	35804	35769		
1985-055B		15874	US	30 JUN	544.3	23.3	31101	308		
1985-056A	GIOTTO	15875	ESA	02 JUL	HELIOCENTRIC ORBIT					
1985-056B		15876	ESA	02 JUL	498.2	8.1	28592	288		
1985-056C		17255	ESA	02 JUL	598.8	8.5	33993	314		
1985-056D		17325	ESA	02 JUL	548.2	7.2	31297	319		
1985-056E		17332	ESA	02 JUL	437.4	7.9	25086	334		
1985-058A	COSMOS 1666	15889	USSR	08 JUL	96.9	82.5	625	595		
1985-058B		15890	USSR	08 JUL	97.4	82.5	650	616		
1985-058C		19241	USSR	08 JUL	96.6	82.5	609	580		
1985-061A	MOLNIYA 3-25	15909	USSR	17 JUL	716.9	64.8	38847	1465		
1985-061D		15916	USSR	17 JUL	737.9	64.5	39951	1389		
1985-064A	COSMOS 1670	15930	USSR	01 AUG	104.1	64.9	1003	897		
1985-066A	NNSS 30300	15935	US	03 AUG	107.9	89.9	1255	999		
1985-066B	NNSS 30240	15936	US	03 AUG	107.9	89.9	1256	999		
1985-066C		15938	US	03 AUG	107.9	89.9	1256	1000		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1985-066D		15950	US	03 AUG	106.6	89.9	1181	958		
1985-066E		15951	US	03 AUG	106.8	89.9	1190	965		
1985-066F		16020	US	03 AUG	107.5	90.2	1219	1004		
1985-066G		17164	US	03 AUG	108.2	89.3	1296	986		
1985-066H		21878	US	03 AUG	107.8	89.9	1252	997		
1985-069A	COSMOS 1674	15944	USSR	08 AUG	96.9	82.5	623	595		
1985-069B		15945	USSR	08 AUG	97.3	82.5	647	615		
1985-070A	RADUGA 16	15946	USSR	08 AUG	1435.5	5.4	35784	35763		
1985-070F		15963	USSR	08 AUG	1472.3	5.6	36550	36435		
1985-071A	COSMOS 1675	15952	USSR	12 AUG	718.8	67.4	36985	3420		
1985-071D		15955	USSR	12 AUG	708.2	67.3	36585	3298		
1985-073A	PLANET A	15967	JAPAN	18 AUG	HELIOCENTRIC ORBIT					
1985-073C		15969	JAPAN	18 AUG	HELIOCENTRIC ORBIT					
1985-074A	MOLNIYA 1-64	15977	USSR	22 AUG	717.8	64.8	38436	1918		
1985-074D		15983	USSR	22 AUG	732.4	65.0	39110	1960		
1985-075A	COSMOS 1677	15986	USSR	23 AUG	103.9	64.7	980	900		
1985-076B	AUSSAT 1	15993	AUSTRAL	27 AUG	1436.1	0.0	35798	35777		
1985-076C	ASC 1	15994	US	27 AUG	1436.1	0.0	35794	35778		
1985-076D	SYNCOM IV-4	15995	US	29 AUG	1438.1	3.2	35843	35809		
1985-076E		15996	US	27 AUG	629.7	26.1	35531	382		
1985-076F		16001	US	29 AUG	277.7	27.4	15061	380		
1985-076G		16007	US	29 AUG	627.8	26.7	35445	374		
1985-077K		18608	USSR	29 AUG	100.2	74.1	779	757		
1985-079A	COSMOS 1680	16011	USSR	04 SEP	100.6	74.1	799	774		
1985-079B		16012	USSR	04 SEP	100.5	74.1	792	768		
1985-079C		17754	USSR	04 SEP	100.6	74.0	804	773		
1985-084A	COSMOS 1684	16064	USSR	24 SEP	717.4	65.5	36430	3905		
1985-084D		16070	USSR	24 SEP	706.0	66.0	36163	3606		
1985-087A	INTELSAT VA F-12	16101	ITSO	29 SEP	1436.1	0.1	35801	35772		
1985-087B		16102	US	29 SEP	500.3	23.1	28721	275		
1985-088A	COSMOS 1687	16103	USSR	30 SEP	717.4	67.3	36504	3833		
1985-088D		16106	USSR	30 SEP	703.6	67.3	36150	3502		
1985-090A	COSMOS 1689	16110	USSR	03 OCT	95.2	97.6	551	502		
1985-090B		16111	USSR	03 OCT	96.4	97.6	621	550		
1985-091A		16112	USSR	03 OCT	718.3	64.6	38322	2059		
1985-091D	MOLNIYA 3-26	16125	USSR	03 OCT	734.0	64.8	38919	2232		
1985-092B		16116	US	03 OCT	ELEMENTS AVAILABLE					
1985-092C		16117	US	03 OCT	ELEMENTS AVAILABLE					
1985-092D		16118	US	03 OCT	ELEMENTS AVAILABLE					
1985-092E		16119	US	03 OCT	ELEMENTS AVAILABLE					
1985-093A		16129	US	09 OCT	ELEMENTS AVAILABLE					
1985-093B		16137	US	09 OCT	718.0	64.4	20537	19826		
1985-094A	COSMOS 1690	16138	USSR	09 OCT	368.2	64.1	20139	1138		
1985-094B	COSMOS 1691	16139	USSR	09 OCT	113.7	82.6	1414	1378		
1985-094C	COSMOS 1692	16140	USSR	09 OCT	114.0	82.6	1413	1409		
1985-094D	COSMOS 1693	16141	USSR	09 OCT	113.8	82.6	1414	1386		
1985-094E	COSMOS 1694	16142	USSR	09 OCT	113.8	82.6	1414	1390		
1985-094F		16143	USSR	09 OCT	113.9	82.6	1414	1395		
1985-094G		16144	USSR	09 OCT	114.0	82.6	1414	1402		
1985-094K		16144	USSR	09 OCT	114.7	82.6	1469	1412		
1985-094L		16266	USSR	09 OCT	114.0	82.6	1427	1390		
1985-094M		16267	USSR	09 OCT	112.8	82.6	1397	1310		
1985-094N		16268	USSR	09 OCT	114.9	82.7	1513	1389		
1985-094P		16269	USSR	09 OCT	114.1	82.6	1423	1402		
1985-094Q		16270	USSR	09 OCT	113.7	82.7	1598	1193		
1985-094R		16271	USSR	09 OCT	114.0	82.6	1414	1402		
1985-094S		16272	USSR	09 OCT	113.4	82.6	1417	1347		
1985-094T		17168	USSR	09 OCT	113.0	82.6	1421	1304		
1985-094T		18282	USSR	09 OCT	113.7	82.6	1409	1385		

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1985-094U		18777	USSR	09 OCT		114.0	82.6	1412	1410	
1985-094V		19111	USSR	09 OCT		113.8	82.6	1410	1387	
1985-097A	COSMOS 1697	16181	USSR	22 OCT		101.9	71.0	854	842	
1985-097B		16182	USSR	22 OCT		101.7	71.0	845	834	
1985-097C		16389	USSR	22 OCT		104.8	71.0	1125	840	
1985-097D		16390	USSR	22 OCT		105.1	71.0	1153	840	
1985-097E		16391	USSR	22 OCT		104.7	71.0	1125	837	
1985-097F		16392	USSR	22 OCT		104.9	71.0	1140	837	
1985-098A	COSMOS 1698	16183	USSR	22 OCT		718.4	66.6	36550	3837	
1985-098D		16186	USSR	22 OCT		707.9	66.7	36206	3658	
1985-099A	MOLNIYA 1-65	16187	USSR	23 OCT		718.2	64.6	38720	1654	
1985-099E		16197	USSR	23 OCT		698.0	64.6	37705	1668	
1985-100A	METEOR 3	16191	USSR	24 OCT		109.3	82.5	1208	1178	
1985-100B		16194	USSR	24 OCT		110.2	82.6	1245	1222	
1985-102A		16199	USSR	25 OCT		1436.4	5.1	35815	35767	
1985-102D	COSMOS 1700	16214	USSR	25 OCT		1431.1	5.1	35779	35596	
1985-103A	MOLNIYA 1-66	16220	USSR	28 OCT		717.9	64.1	39007	1354	
1985-103D		16223	USSR	28 OCT		701.1	64.5	38003	1525	
1985-105A	COSMOS 1701	16235	USSR	09 NOV		718.2	67.3	37014	3359	
1985-105D		16243	USSR	09 NOV		706.2	67.3	36687	3093	
1985-107A	RADUGA 17	16250	USSR	15 NOV		1438.0	5.2	35875	35773	
1985-107F		16339	USSR	15 NOV		1477.0	5.3	36674	36492	
1985-108A	COSMOS 1703	16262	USSR	22 NOV		96.9	82.5	625	596	
1985-108B		16263	USSR	22 NOV		97.4	82.5	650	617	
1985-109B	MORELOS B	16274	MEXICO	27 NOV		1436.1	0.0	35793	35780	
1985-109C	AUSSAT 2	16275	AUSTRAL	27 NOV		1436.2	0.0	35796	35779	
1985-109D	SATCOM KU2	16276	US	28 NOV		1436.2	0.0	35797	35779	
1985-109F		16293	US	27 NOV		637.9	25.8	35939	395	
1985-109G		16294	US	27 NOV		633.9	26.2	35734	396	
1985-109H		16295	US	27 NOV		617.2	26.7	34877	393	
1985-110A	COSMOS 1704	16291	USSR	28 NOV		104.7	82.9	1004	960	
1985-110B		16292	USSR	28 NOV		104.6	82.9	996	953	
1985-113A	COSMOS 1707	16326	USSR	12 DEC		96.9	82.5	626	597	
1985-113B		16327	USSR	12 DEC		97.4	82.5	648	618	
1985-116A	COSMOS 1709	16368	USSR	19 DEC		104.8	82.9	1009	957	
1985-116B		16369	USSR	19 DEC		104.6	82.9	1002	950	
1985-117A	MOLNIYA 3-27	16393	USSR	24 DEC		712.8	64.2	38637	1470	
1985-117F		16402	USSR	24 DEC		732.7	64.0	39488	1597	
1985-118A	COSMOS 1710	16396	USSR	24 DEC		675.7	66.2	19171	19088	
1985-118B	COSMOS 1711	16397	USSR	24 DEC		675.7	66.3	19147	19111	
1985-118C	COSMOS 1712	16404	USSR	24 DEC		675.5	66.2	19158	19129	
1985-118F		16445	USSR	24 DEC		340.3	65.0	19151	19097	
1985-118K		16446	USSR	24 DEC		339.9	65.0	18978	557	
1985-118L		16408	USSR	24 DEC		332.5	65.0	18997	512	
1985-119A	METEOR 2-13	21960	USSR	24 DEC		103.9	82.5	955	933	
1985-119B		16409	USSR	26 DEC		104.0	82.5	955	935	
1986-002A	COSMOS 1716	16449	USSR	09 JAN		115.5	74.0	1490	1461	
1986-002B	COSMOS 1717	16450	USSR	09 JAN		115.8	74.0	1511	1473	
1986-002C	COSMOS 1718	16451	USSR	09 JAN		115.6	74.0	1493	1473	
1986-002D	COSMOS 1719	16452	USSR	09 JAN		115.3	74.0	1483	1452	
1986-002E	COSMOS 1720	16453	USSR	09 JAN		115.1	74.0	1482	1437	
1986-002F	COSMOS 1721	16454	USSR	09 JAN		114.8	74.0	1482	1424	
1986-002G	COSMOS 1722	16455	USSR	09 JAN		114.8	74.0	1482	1409	
1986-002H	COSMOS 1723	16456	USSR	09 JAN		114.6	74.0	1480	1397	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1986-002J		16457	USSR	09 JAN	117.9	74.0	1694	1479	
1986-003B	SATCOM KU1	16482	US	12 JAN	1436.2	0.0	35796	35780	
1986-003C		16483	US	12 JAN	615.4	27.0	34786	388	
1986-005A	COSMOS 1725	16493	USSR	17 JAN	104.8	82.9	1000	965	
1986-005B		16494	USSR	17 JAN	104.6	82.9	992	960	
1986-006A	COSMOS 1726	16495	USSR	17 JAN	96.8	82.5	618	594	
1986-006B		16496	USSR	17 JAN	97.3	82.5	645	617	
1986-007A	RADUGA 18	16497	USSR	17 JAN	1457.4	5.1	36506	35897	
1986-007E		16501	USSR	17 JAN	647.7	47.0	36585	252	
1986-007F		16870	USSR	17 JAN	1472.4	5.3	36636	36352	
1986-008A	COSMOS 1727	16510	USSR	23 JAN	104.8	82.9	1013	955	
1986-008B		16511	USSR	23 JAN	104.7	82.9	1003	955	
1986-010A	PRC 18	16526	PRC	01 FEB	1436.5	4.0	35810	35778	
1986-010B		16528	PRC	01 FEB	627.1	30.3	35387	393	
1986-011A	COSMOS 1729	16527	USSR	01 FEB	718.3	64.8	36787	3590	
1986-011F		16533	USSR	01 FEB	705.7	65.2	36319	3436	
1986-014A		16591	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1986-014B		16592	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1986-014C		16622	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1986-014D		16623	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1986-014E		16624	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1986-014F		16625	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1986-014G		16630	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1986-014H		16631	US	09 FEB	NO	ELEMENTS	AVAILABLE		
1986-015A	COSMOS 1732	16593	USSR	11 FEB	116.0	73.6	1523	1477	
1986-015B		16594	USSR	11 FEB	115.9	73.6	1520	1476	
1986-016A	BS-2B	16597	JAPAN	12 FEB	1450.3	2.1	36147	35980	
1986-016C		16600	JAPAN	12 FEB	382.4	28.0	21904	243	
1986-017A	MIR	16609	USSR	19 FEB	92.5	51.6	395	393	
1986-017B TO 017GY			USSR	19 FEB	SEE NOTE		60*	60*	
1986-017GX	MAK 2	22225	USSR	19 FEB	92.0	51.6	375	367	
1986-018A	COSMOS 1733	16611	USSR	19 FEB	96.9	82.5	620	596	
1986-018B		16612	USSR	19 FEB	97.3	82.5	644	617	
1986-019A	SPOT 1	16613	FRANCE	22 FEB	101.3	98.7	825	817	
1986-019C TO 019VL			FRANCE	22 FEB	SEE NOTE		45*	45*	
1986-019B	VIKING	16614	ESA	22 FEB	261.6	98.8	13521	818	
1986-022C		16863	SWEDEN	22 FEB	89.5	51.6	253	244	
1986-024A	COSMOS 1736	16647	USSR	13 MAR	104.4	65.0	1007	923	
1986-024E		16809	USSR	21 MAR	104.2	65.0	990	923	
1986-026A	GSTAR 2	16649	US	28 MAR	1436.1	0.0	35793	35780	
1986-026B	SBTS 2	16650	BRAZIL	28 MAR	1436.2	0.1	35789	35786	
1986-026C		16657	ESA	28 MAR	651.1	6.5	36540	470	
1986-026E		17253	ESA	28 MAR	532.9	8.6	30480	547	
1986-026F		17254	ESA	28 MAR	537.3	8.4	30259	528	
1986-027A	COSMOS 1738	16667	USSR	04 APR	1434.5	4.9	35821	35690	
1986-027F		16676	USSR	04 APR	1474.1	5.0	36684	36369	
1986-030A	COSMOS 1741	16681	USSR	18 APR	100.6	74.0	801	773	
1986-030B		16682	USSR	18 APR	100.5	74.0	791	771	
1986-030C		17842	USSR	18 APR	100.7	74.0	808	778	
1986-030D		17843	USSR	18 APR	100.7	74.0	805	778	
1986-030E		18274	USSR	18 APR	100.1	74.1	794	735	
1986-030F		18526	USSR	18 APR	100.2	74.0	771	767	
1986-030G		18681	USSR	18 APR	100.8	74.0	808	779	
1986-030H		19235	USSR	18 APR	103.9	74.0	947	942	
1986-031A	MOLNIYA 3-28	16683	USSR	18 APR	717.8	64.8	38539	1813	
1986-031D		16686	USSR	18 APR	733.5	64.9	39117	2007	
1986-034A	COSMOS 1743	16719	USSR	15 MAY	96.9	82.6	622	597	
1986-034B		16720	USSR	15 MAY	97.4	82.6	647	618	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1986-037A	COSMOS 1745	16727	USSR	23 MAY	104.8	83.0	1008	960		
1986-037B		16728	USSR	23 MAY	104.6	83.0	999	954		
1986-038A	EKRAN 15	16729	USSR	24 MAY	1491.6	5.9	36921	36809		
1986-038D		16732	USSR	24 MAY	1420.6	5.6	35576	35387		
1986-038E		16733	USSR	24 MAY	254.4	47.9	13280	559		
1986-039A	METEOR 2-14	16735	USSR	27 MAY	104.0	82.5	955	935		
1986-039B		16736	USSR	27 MAY	104.0	82.5	954	935		
1986-042A	COSMOS 1748	16758	USSR	06 JUN	115.1	74.0	1467	1451		
1986-042B	COSMOS 1749	16759	USSR	06 JUN	114.4	74.0	1466	1392		
1986-042C	COSMOS 1750	16760	USSR	06 JUN	114.6	74.0	1467	1407		
1986-042D	COSMOS 1751	16761	USSR	06 JUN	115.6	74.0	1504	1464		
1986-042E	COSMOS 1752	16762	USSR	06 JUN	115.4	74.0	1485	1465		
1986-042F	COSMOS 1753	16763	USSR	06 JUN	115.3	74.0	1475	1459		
1986-042G	COSMOS 1754	16764	USSR	06 JUN	114.9	74.0	1467	1436		
1986-042H	COSMOS 1755	16765	USSR	06 JUN	114.8	74.0	1467	1422		
1986-042J		16766	USSR	06 JUN	117.7	74.0	1681	1470		
1986-044A	GORIZONT 12	16769	USSR	10 JUN	1436.6	4.6	35798	35794		
1986-044F		16797	USSR	10 JUN	1474.4	4.7	36579	36486		
1986-046A	COSMOS 1758	16791	USSR	12 JUN	97.1	82.5	639	602		
1986-046B		16792	USSR	12 JUN	97.4	82.5	654	613		
1986-047A	COSMOS 1759	16798	USSR	18 JUN	104.7	82.9	999	963		
1986-047B		16799	USSR	18 JUN	104.6	82.9	1024	923		
1986-049A	MOLNIYA 3-29	16802	USSR	19 JUN	717.0	64.9	38691	1622		
1986-049D		16805	USSR	19 JUN	733.1	65.1	39424	1684		
1986-050A	COSMOS 1761	16849	USSR	05 JUL	717.9	66.6	36692	3667		
1986-050D		16854	USSR	05 JUL	710.1	66.7	36479	3493		
1986-052A	COSMOS 1763	16860	USSR	16 JUL	100.3	74.0	794	749		
1986-052B		16864	USSR	16 JUL	100.2	74.0	793	744		
1986-052C		16865	USSR	16 JUL	99.4	74.0	747	710		
1986-052D		16866	USSR	16 JUL	99.3	74.0	743	706		
1986-052E		16867	USSR	16 JUL	99.6	74.0	757	721		
1986-055A	COSMOS 1766	16881	USSR	28 JUL	97.1	82.5	631	603		
1986-055B		16882	USSR	28 JUL	97.4	82.5	649	619		
1986-057A	MOLNIYA 1-67	16885	USSR	30 JUL	717.3	64.7	38500	1828		
1986-057D		16889	USSR	30 JUL	731.6	65.0	39230	1804		
1986-061A	EGP	16908	JAPAN	12 AUG	115.7	50.0	1497	1479		
1986-061B	JAS-1	16909	JAPAN	12 AUG	115.7	50.0	1497	1480		
1986-061C		16910	JAPAN	12 AUG	116.9	50.0	1595	1484		
1986-062A	COSMOS 1771	16917	USSR	20 AUG	104.2	65.0	999	910		
1986-062C		17035	USSR	20 AUG	103.8	65.0	974	906		
1986-065A	COSMOS 1774	16922	USSR	28 AUG	718.0	65.0	37165	3198		
1986-065D		16925	USSR	28 AUG	707.0	65.4	36603	3216		
1986-068A	MOLNIYA 1-68	16934	USSR	05 SEP	717.8	64.6	38173	2182		
1986-068D		16939	USSR	05 SEP	731.2	64.8	38631	2384		
1986-070A	COSMOS 1777	16952	USSR	10 SEP	100.6	74.0	803	769		
1986-070B		16953	USSR	10 SEP	100.4	74.0	784	768		
1986-071A	COSMOS 1778	16961	USSR	16 SEP	675.7	64.9	19135	19123		
1986-071B	COSMOS 1779	16962	USSR	16 SEP	675.7	64.8	19138	19120		
1986-071C	COSMOS 1780	16963	USSR	16 SEP	675.7	64.9	19188	19069		
1986-071F		16968	USSR	16 SEP	675.2	64.9	19135	19097		
1986-071G		16984	USSR	16 SEP	125.4	64.2	3721	118		
1986-073A	NOAA 10	16969	US	17 SEP	101.0	98.5	816	796		
1986-073B		16982	US	17 SEP	97.2	98.6	625	620		
1986-074A	COSMOS 1782	16986	USSR	30 SEP	97.1	82.5	632	604		
1986-074B		16987	USSR	30 SEP	97.4	82.5	649	618		
1986-075A	COSMOS 1783	16993	USSR	03 OCT	358.0	63.6	19439	1209		
1986-075D		16996	USSR	03 OCT	357.0	63.6	19372	1209		
1986-078A	COSMOS 1785	17031	USSR	15 OCT	718.7	67.0	37307	3093		

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1986-078D	MOLNIYA 3-30	17037	USSR	15 OCT	707.7	67.6	36907	2946		
1986-079A		17038	USSR	20 OCT	717.0	64.9	38365	1949		
1986-079D		17041	USSR	20 OCT	699.0	64.9	37630	1793		
1986-082A		17046	USSR	25 OCT	1436.0	4.3	35794	35774		
1986-082D	RADUGA 19	17052	USSR	25 OCT	637.1	45.9	36043	252		
1986-082E		17053	USSR	25 OCT	101.8	46.4	1551	132		
1986-082F		17065	USSR	25 OCT	1475.5	4.5	36682	36424		
1986-086A		17066	USSR	13 NOV	104.7	82.9	1008	949		
1986-086B	COSMOS 1791	17067	USSR	13 NOV	104.5	82.9	999	947		
1986-086C		18552	USSR	13 NOV	103.7	82.9	956	912		
1986-088A		17070	US	14 NOV	104.8	89.6	1014	954		
1986-088B		17071	US	14 NOV	104.8	89.6	1012	955		
1986-088C	POLAR BEAR	18426	US	14 NOV	105.1	89.1	1051	944		
1986-088D		18525	US	14 NOV	104.2	89.8	963	951		
1986-089A		17078	USSR	15 NOV	717.2	63.8	38693	1632		
1986-089D		17081	USSR	15 NOV	735.8	63.6	39180	2058		
1986-090A	GORIZONT 13	17083	USSR	18 NOV	1488.8	4.2	36867	36755		
1986-090D		17125	USSR	18 NOV	1436.4	4.1	35838	35747		
1986-090F		17149	USSR	18 NOV	632.9	47.3	35812	268		
1986-091A		17134	USSR	20 NOV	717.5	67.1	37249	3091		
1986-091D	COSMOS 1793	17147	USSR	20 NOV	705.9	67.5	36865	2899		
1986-092A		17138	USSR	21 NOV	115.6	74.0	1497	1464		
1986-092B		17139	USSR	21 NOV	115.4	74.0	1479	1464		
1986-092C		17140	USSR	21 NOV	115.2	74.0	1476	1453		
1986-092D	COSMOS 1796	17141	USSR	21 NOV	115.0	74.0	1470	1441		
1986-092E		17142	USSR	21 NOV	114.8	74.0	1470	1426		
1986-092F		17143	USSR	21 NOV	114.7	74.0	1470	1411		
1986-092G		17144	USSR	21 NOV	114.5	74.0	1471	1396		
1986-092H	COSMOS 1800	17145	USSR	21 NOV	114.4	74.0	1470	1382		
1986-092J		17146	USSR	21 NOV	117.6	74.0	1665	1482		
1986-093A		17159	USSR	24 NOV	104.9	82.9	1020	958		
1986-093B		17160	USSR	24 NOV	104.8	82.9	1011	954		
1986-094A	COSMOS 1802	17177	USSR	02 DEC	115.9	82.6	1500	1494		
1986-094B		17178	USSR	02 DEC	115.9	82.6	1497	1493		
1986-094C		20284	USSR	02 DEC	117.3	83.2	1738	1382		
1986-096A		17181	US	05 DEC	1436.2	0.4	35849	35728		
1986-097A	COSMOS 1805	17191	USSR	10 DEC	96.9	82.5	622	601		
1986-097B		17192	USSR	10 DEC	97.4	82.5	644	620		
1986-098A		17213	USSR	12 DEC	718.3	64.6	36767	3611		
1986-098D		17216	USSR	12 DEC	705.9	65.1	36398	3366		
1986-100A	COSMOS 1806	17239	USSR	17 DEC	105.0	82.9	1015	968		
1986-100B		17240	USSR	17 DEC	104.8	82.9	1008	963		
1986-100C		18545	USSR	17 DEC	104.1	82.9	971	933		
1986-101A		17241	USSR	18 DEC	104.1	82.5	960	939		
1986-101B	COSMOS 1809	17242	USSR	18 DEC	104.1	82.5	960	940		
1986-101C		17268	USSR	18 DEC	103.7	82.6	953	910		
1986-101D		17269	USSR	18 DEC	104.1	82.6	965	941		
1986-101E		17270	USSR	18 DEC	104.0	82.4	949	941		
1986-101F	COSMOS 1808	17271	USSR	18 DEC	103.4	82.4	941	898		
1986-101G		17272	USSR	18 DEC	103.3	82.5	922	905		
1986-101H		17273	USSR	18 DEC	103.2	82.5	919	901		
1986-101I		17274	USSR	18 DEC	104.1	82.5	976	929		
1986-101J	COSMOS 1809	17844	USSR	18 DEC	103.3	82.5	925	900		
1986-101K		18680	USSR	18 DEC	103.3	82.5	925	904		
1986-101L		17264	USSR	26 DEC	717.7	64.0	39433	916		
1986-103A		17267	USSR	26 DEC	698.8	64.3	38428	986		
1986-103D	MOLNIYA 1-70									

OBJECTS IN ORBIT

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1987 LAUNCHES									
1987-001A	METEOR 2-15	17290	USSR	05 JAN	104.0	82.5	954	937	
1987-001B		17291	USSR	05 JAN	104.0	82.5	953	938	
1987-003A	COSMOS 1812	17295	USSR	14 JAN	96.9	82.5	625	599	
1987-003B		17296	USSR	14 JAN	97.4	82.5	648	618	
1987-004GR		18273	USSR	15 JAN	90.4	72.8	321	265	
1987-006A	COSMOS 1814	17303	USSR	21 JAN	100.5	74.1	800	762	
1987-006B		17304	USSR	21 JAN	100.4	74.1	794	756	
1987-006C		18257	USSR	21 JAN	100.1	74.0	769	758	
1987-008A	MOLNIYA 3-31	17328	USSR	22 JAN	717.8	63.7	38948	1407	
1987-008D		17333	USSR	22 JAN	730.8	63.7	39368	1623	
1987-009A	COSMOS 1816	17359	USSR	29 JAN	104.8	82.9	1008	958	
1987-009B		17360	USSR	29 JAN	104.6	82.9	998	953	
1987-011A	COSMOS 1818	17369	USSR	01 FEB	100.7	65.0	797	781	
1987-012B		17481	JAPAN	05 FEB	94.0	31.1	507	431	
1987-012K		18927	JAPAN	05 FEB	92.1	30.8	394	360	
1987-015A		17506	US	12 FEB	NO	ELEMENTS AVAILABLE			
1987-015B		17507	US	12 FEB	NO	ELEMENTS AVAILABLE			
1987-017A	COSMOS 1821	17525	USSR	18 FEB	104.8	82.9	1013	957	
1987-017B		17526	USSR	18 FEB	104.6	82.9	1006	945	
1987-018A	MOS-1	17527	JAPAN	19 FEB	103.2	99.1	909	908	
1987-018B		17528	JAPAN	19 FEB	99.8	97.4	870	625	
1987-020A	COSMOS 1823	17535	USSR	20 FEB	116.0	73.6	1521	1478	
1987-020B	TO 020DQ		USSR	20 FEB	SEE NOTE		49*		49*
1987-022A	GOES 7	17561	US	26 FEB	1436.2	0.4	35800	35775	
1987-022B		17562	US	26 FEB	89.7	21.7	342	179	
1987-022C		17563	US	26 FEB	611.8	17.7	34730	259	
1987-024A	COSMOS 1825	17566	USSR	03 MAR	96.9	82.5	623	596	
1987-024B		17567	USSR	03 MAR	97.4	82.5	646	617	
1987-026A	COSMOS 1827	17582	USSR	13 MAR	113.8	82.6	1408	1393	
1987-026B	COSMOS 1828	17583	USSR	13 MAR	113.7	82.6	1408	1382	
1987-026C	COSMOS 1829	17584	USSR	13 MAR	114.0	82.6	1412	1408	
1987-026D	COSMOS 1830	17585	USSR	13 MAR	113.9	82.6	1408	1405	
1987-026E	COSMOS 1831	17586	USSR	13 MAR	113.8	82.6	1408	1389	
1987-026F	COSMOS 1832	17587	USSR	13 MAR	113.9	82.6	1408	1399	
1987-026G		17588	USSR	13 MAR	114.6	82.6	1468	1408	
1987-027A	COSMOS 1833	17589	USSR	18 MAR	101.9	70.9	853	845	
1987-027B		17590	USSR	18 MAR	101.7	71.0	842	833	
1987-027C		18416	USSR	18 MAR	104.7	71.0	1121	839	
1987-027D		18417	USSR	18 MAR	104.9	71.0	1144	838	
1987-027E		18527	USSR	18 MAR	104.8	71.0	1133	839	
1987-027F		18550	USSR	18 MAR	104.6	71.0	1111	837	
1987-028A		17611	USSR	19 MAR	1500.6	4.4	37171	36908	
1987-028D	RADUGA 20	17705	USSR	19 MAR	1442.0	4.4	36020	35785	
1987-029A	PALAPA B-2P	17706	INDNSA	20 MAR	1436.2	0.0	35788	35788	
1987-030A	KVANT 1	17845	USSR	31 MAR	92.5	51.6	395	394	
1987-036K		21622	USSR	24 APR	143.2	64.8	4087	1292	
1987-036L		21623	USSR	24 APR	212.5	62.8	10400	438	
1987-036M		21657	USSR	24 APR	149.7	64.8	4762	1162	
1987-036N		21725	USSR	24 APR	149.3	64.7	4680	1206	
1987-038A		17911	USSR	27 APR	97.0	82.5	630	603	
1987-038B	COSMOS 1842	17912	USSR	27 APR	97.4	82.5	650	618	
1987-040A	GORIZONT 14	17969	USSR	11 MAY	1474.6	6.0	36669	36405	
1987-040D		17972	USSR	11 MAY	1397.9	5.8	35109	34960	
1987-040E		18111	USSR	11 MAY	537.1	46.9	30892	128	
1987-040F		18112	USSR	11 MAY	597.7	47.0	34107	144	

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1987-041A	COSMOS 1844	17973	USSR	13 MAY		101.9	70.9	853		
1987-041B		17974	USSR	13 MAY		101.6	71.0	847	842	
1987-041C		18410	USSR	13 MAY		105.0	71.0	1143	842	
1987-041D		18411	USSR	13 MAY		104.8	71.0	1125	842	
1987-041E		18412	USSR	13 MAY		104.8	71.0	1127	839	
1987-041F		18476	USSR	13 MAY		105.0	71.0	1150	841	
1987-041G		18687	USSR	13 MAY		95.1	71.0	527	516	
1987-043A		17997	US	15 MAY		NO	ELEMENTS	AVAILABLE		
1987-043B		17998	US	15 MAY		NO	ELEMENTS	AVAILABLE		
1987-043C		18007	US	15 MAY		NO	ELEMENTS	AVAILABLE		
1987-043D		18008	US	15 MAY		NO	ELEMENTS	AVAILABLE		
1987-043E		18009	US	15 MAY		NO	ELEMENTS	AVAILABLE		
1987-043F		18010	US	15 MAY		NO	ELEMENTS	AVAILABLE		
1987-043G		18024	US	15 MAY		NO	ELEMENTS	AVAILABLE		
1987-043H		18025	US	15 MAY		NO	ELEMENTS	AVAILABLE		
1987-048A		18083	USSR	04 JUN		717.8	67.2	37666	2689	
1987-048D		18086	USSR	04 JUN		706.2	67.3	37128	2653	
1987-049A		18095	USSR	09 JUN		100.6	74.0	798	775	
1987-049B		18096	USSR	09 JUN		100.5	74.0	793	767	
1987-050A		18103	USSR	12 JUN		716.9	64.3	37157	3155	
1987-050D	COSMOS 1851	18106	USSR	12 JUN		707.3	64.3	36755	3083	
1987-051A		18113	USSR	16 JUN		115.6	74.0	1497	1471	
1987-051B		18114	USSR	16 JUN		115.4	74.0	1480	1471	
1987-051C		18115	USSR	16 JUN		115.3	74.0	1479	1456	
1987-051D		18116	USSR	16 JUN		115.1	74.0	1475	1444	
1987-051E		18117	USSR	16 JUN		114.9	74.0	1476	1428	
1987-051F		18118	USSR	16 JUN		114.8	74.0	1475	1414	
1987-051G		18119	USSR	16 JUN		114.6	74.0	1476	1399	
1987-051H		18120	USSR	16 JUN		114.4	74.0	1475	1384	
1987-051J		18121	USSR	16 JUN		117.8	74.0	1686	1475	
1987-052A	COSMOS 1860	18122	USSR	18 JUN		104.0	65.0	991	901	
1987-052D		18241	USSR	18 JUL		103.7	65.0	969	894	
1987-053A		18123	US	20 JUN		101.7	98.8	848	828	
1987-053B		18127	US	20 JUN		99.8	98.8	759	739	
1987-053C		18128	US	20 JUN		98.6	98.7	694	688	
1987-053D		18154	US	20 JUN		98.2	98.7	677	668	
1987-053E		18159	US	20 JUN		99.8	98.7	756	740	
1987-054A		18129	USSR	23 JUN		104.9	98.7	998	978	
1987-054B		18130	USSR	23 JUN		104.6	82.9	990	964	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1987-074E	COSMOS 1879	18338	USSR	07 SEP	113.8	82.6	1407	1394		
1987-074F	COSMOS 1880	18339	USSR	07 SEP	113.8	82.6	1407	1390		
1987-074G		18340	USSR	07 SEP	114.6	82.6	1470	1407		
AUSSAT K3		18350	AUSTRAL	16 SEP	1436.1	0.0	35796	35778		
ECS 4		18351	ESA	16 SEP	1436.1	0.0	35811	35761		
1987-078E		18571	ESA	16 SEP	535.2	7.3	30650	265		
COSMOS 1883		18355	USSR	16 SEP	675.7	65.9	19147	19111		
COSMOS 1884		18356	USSR	16 SEP	675.7	65.9	19163	19095		
COSMOS 1885		18357	USSR	16 SEP	675.7	65.9	19158	19100		
1987-079C		18360	USSR	16 SEP	674.7	65.9	19136	19072		
1987-079F		18374	USSR	16 SEP	339.6	65.4	18832	661		
1987-079G		18375	USSR	16 SEP	339.6	65.3	18787	703		
1987-079H		18361	US	16 SEP	107.1	90.4	1178	1011		
1987-080A		18362	US	16 SEP	107.2	90.4	1180	1010		
1987-080B		18363	US	16 SEP	107.2	90.4	1180	1012		
1987-080C		18365	US	16 SEP	106.9	90.3	1164	1005		
1987-080E		18530	US	16 SEP	106.3	90.4	1116	991		
1987-080F		18561	US	16 SEP	107.0	90.4	1161	1009		
1987-080G		18562	US	16 SEP	107.8	90.2	1262	986		
1987-080H		18384	USSR	01 OCT	1436.2	3.3	35817	35757		
1987-084A	COSMOS 1888	18387	USSR	01 OCT	1439.2	3.3	35940	35753		
1987-084D		18402	USSR	14 OCT	104.8	82.9	1023	949		
1987-087A	COSMOS 1891	18403	USSR	14 OCT	104.6	82.9	1019	934		
1987-087B		18421	USSR	20 OCT	96.9	82.5	623	599		
1987-088A	COSMOS 1892	18422	USSR	20 OCT	97.4	82.5	648	619		
1987-088B		18441	US	26 OCT	NO ELEMENTS	AVAILABLE				
1987-090A		18443	USSR	28 OCT	1437.8	3.4	35825	35812		
1987-091A	COSMOS 1894	18446	USSR	28 OCT	1435.3	3.3	35886	35655		
1987-091D		18448	USSR	28 OCT	599.4	46.8	34204	135		
1987-091F		18570	FRG	21 NOV	1452.6	3.6	36170	36047		
1987-095A	TVSAT 1	18575	USSR	26 NOV	1436.9	3.2	35836	35767		
1987-096A	COSMOS 1897	18578	USSR	26 NOV	1431.9	3.2	35802	35604		
1987-096D		18583	US	29 NOV	NO ELEMENTS	AVAILABLE				
1987-097A		18584	US	29 NOV	NO ELEMENTS	AVAILABLE				
1987-097B		18585	USSR	01 DEC	100.6	74.0	800	770		
1987-098A	COSMOS 1898	18586	USSR	01 DEC	100.4	74.0	795	762		
1987-098B		18697	USSR	01 DEC	100.3	74.0	777	767		
1987-098C		18698	USSR	01 DEC	100.7	74.0	803	777		
1987-098D		18631	USSR	10 DEC	1436.4	3.3	35796	35786		
1987-100A	RADUGA 21	18634	USSR	10 DEC	1392.6	3.1	34995	34868		
1987-100D		21620	USSR	10 DEC	193.4	46.6	9230	167		
1987-100G		18665	USSR	12 DEC	99.2	66.1	740	698		
1987-101A	COSMOS 1900	18701	USSR	21 DEC	718.6	63.2	37990	2403		
1987-105A	COSMOS 1903	18704	USSR	21 DEC	705.1	64.4	37201	2527		
1987-105D		18709	USSR	23 DEC	104.8	82.9	1003	964		
1987-106A	COSMOS 1904	18710	USSR	23 DEC	104.7	82.9	997	959		
1987-106B		18715	USSR	27 DEC	1436.5	3.0	35811	35777		
1987-109A	EKRAN 17	18718	USSR	27 DEC	1428.1	2.9	35897	35361		
1987-109D		18719	USSR	27 DEC	444.5	46.9	25553	276		
1987-109E										
1988 LAUNCHES										
1988-001A	COSMOS 1908	18748	USSR	06 JAN	97.0	82.5	630	599		
1988-001B		18749	USSR	06 JAN	97.4	82.5	649	617		
1988-002A	COSMOS 1909	18788	USSR	15 JAN	114.0	82.6	1410	1408		
1988-002B	COSMOS 1910	18789	USSR	15 JAN	113.9	82.6	1408	1404		
1988-002C	COSMOS 1911	18790	USSR	15 JAN	113.9	82.6	1408	1397		
1988-002D	COSMOS 1912	18791	USSR	15 JAN	113.8	82.6	1408	1392		

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1988-002E	COSMOS 1913	18792	USSR	15 JAN		113.7	82.6	1408	1387	
1988-002F	COSMOS 1914	18793	USSR	15 JAN		113.7	82.6	1408	1381	
1988-002G		18794	USSR	15 JAN		114.6	82.6	1469	1408	
1988-005A	METEOR 2-17	18820	USSR	30 JAN		103.9	82.5	955	933	
1988-005B		18821	USSR	30 JAN		103.9	82.5	953	934	
1988-006A		18822	US	03 FEB		101.2	98.5	818	807	
1988-006D		18955	US	03 FEB		96.8	98.7	606	605	
1988-006F		18984	US	03 FEB		98.9	98.6	708	701	
1988-012A	CS-3A	18877	JAPAN	19 FEB		1436.2	0.0	35790	35787	
1988-012C		18879	JAPAN	19 FEB		398.9	27.6	22916	227	
1988-012D		20760	JAPAN	19 FEB		523.2	27.1	29682	575	
1988-013A	COSMOS 1922	18881	USSR	26 FEB		718.8	64.7	37184	3222	
1988-013C		18883	USSR	26 FEB		705.8	65.2	36757	3005	
1988-014A	PRC 22	18922	PRC	07 MAR		1436.2	0.1	35802	35775	
1988-016A	COSMOS 1924	18937	USSR	11 MAR		115.7	74.0	1513	1458	
1988-016B	COSMOS 1925	18938	USSR	11 MAR		115.5	74.0	1495	1457	
1988-016C	COSMOS 1926	18939	USSR	11 MAR		115.3	74.0	1477	1458	
1988-016D	COSMOS 1927	18940	USSR	11 MAR		115.1	74.0	1465	1452	
1988-016E	COSMOS 1928	18941	USSR	11 MAR		114.9	74.0	1459	1442	
1988-016F	COSMOS 1929	18942	USSR	11 MAR		114.7	74.0	1459	1426	
1988-016G	COSMOS 1930	18943	USSR	11 MAR		114.6	74.0	1459	1411	
1988-016H	COSMOS 1931	18944	USSR	11 MAR		114.4	74.0	1459	1411	
1988-016J		18945	USSR	11 MAR		117.6	74.0	1686	1460	
1988-016K		19451	USSR	11 MAR		117.5	74.0	1682	1456	
1988-017A	MOLNIYA 1-71	18946	USSR	11 MAR		717.8	63.5	38864	1489	
1988-017D		18949	USSR	11 MAR		695.6	63.6	37868	1385	
1988-018A	SPACENET 3R	18951	US	11 MAR		1436.2	0.0	35790	35785	
1988-018B	TELECOM 1C	18952	FRANCE	11 MAR		1436.1	0.1	36000	35573	
1988-018C		18953	ESA	11 MAR		570.3	7.0	32539	266	
1988-019A	COSMOS 1932	18957	USSR	14 MAR		104.4	65.0	992	936	
1988-019D		19162	USSR	14 MAR		104.0	65.0	964	934	
1988-020A	COSMOS 1933	18958	USSR	15 MAR		97.1	82.5	631	607	
1988-020B		18959	USSR	15 MAR		97.4	82.5	644	620	
1988-021A	IRS-1A	18960	INDIA	17 MAR		103.1	98.9	913	894	
1988-021B		18961	USSR	17 MAR		102.8	98.8	932	847	
1988-022A	MOLNIYA 1-72	18980	USSR	17 MAR		717.7	64.8	38341	2014	
1988-022D		18983	USSR	17 MAR		731.7	64.9	38985	2054	
1988-023A	COSMOS 1934	18985	USSR	22 MAR		104.6	83.0	1006	945	
1988-023B		18986	USSR	22 MAR		104.5	83.0	993	946	
1988-023C		21912	USSR	22 MAR		104.6	83.0	1003	943	
1988-028A	GORIZONT 15	19017	USSR	31 MAR		1472.0	3.0	36633	36341	
1988-028D		19020	USSR	31 MAR		1472.7	3.0	36593	36405	
1988-028E		19036	USSR	31 MAR		640.4	46.4	36344	122	
1988-028F		19037	USSR	31 MAR		621.6	46.4	35148	346	
1988-029A	COSMOS 1937	19038	USSR	05 APR		100.5	74.0	798	761	
1988-029B		19039	USSR	05 APR		100.3	74.0	796	751	
1988-032A	COSMOS 1939	19045	USSR	20 APR		96.5	97.7	605	572	
1988-032B		19046	USSR	20 APR		97.1	97.7	657	585	
1988-033A		19070	US	26 APR		108.5	90.3	1302	1013	
1988-033B		19071	US	26 APR		108.5	90.3	1300	1012	
1988-033C		19072	US	26 APR		108.5	90.3	1303	1013	
1988-033D		19077	US	26 APR		108.0	90.3	1272	999	
1988-033E		19078	US	26 APR		107.6	90.6	1236	994	
1988-033F		19140	US	26 APR		107.9	90.3	1258	997	
1988-033G		19181	US	26 APR		109.1	90.1	1376	993	
1988-034A	COSMOS 1940	19073	USSR	26 APR		1430.5	3.0	35779	35574	
1988-034D		19076	USSR	26 APR		1438.7	2.9	35949	35727	
1988-034E		19082	USSR	26 APR		639.3	48.6	36022	387	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1988-034F 1988-036A 1988-036E 1988-039A 1988-039B 1988-039C 1988-039D 1988-039E 1988-039F	EKRA 18 COSMOS 1943	19083	USSR	26 APR	649.6	47.3	36714	223		
		19090	USSR	06 MAY	1513.5	3.9	37346	37229		
		19094	USSR	06 MAY	1424.1	3.7	35653	35447		
		19119	USSR	15 MAY	101.8	71.0	854	835		
		19120	USSR	15 MAY	101.5	71.0	848	813		
19125 19126 19127 19128 19121 19122 19163 19164 19165 19168 19169 19170 19189 19190 19195 19196 19210 19211 19215 19216 19217 19218 19219 19220 19857 19951 19223	COSMOS 1946 COSMOS 1947 COSMOS 1948 INTELSAT 5A F-13 COSMOS 1946 COSMOS 1947 COSMOS 1948 MOLNIYA 3-32 COSMOS 1950 COSMOS 1953	19125	USSR	15 MAY	104.6	71.0	1109	837		
		19126	USSR	15 MAY	104.7	71.0	1118	839		
		19127	USSR	15 MAY	105.1	71.0	1156	839		
		19128	USSR	15 MAY	105.0	71.0	1152	840		
		19121	ITSO	17 MAY	1436.2	0.1	35798	35779		
		19122	ESA	17 MAY	634.0	7.3	35637	501		
		19163	USSR	21 MAY	675.7	64.9	19146	19112		
		19164	USSR	21 MAY	675.7	64.9	19139	19119		
		19165	USSR	21 MAY	675.7	64.9	19139	19119		
		19168	USSR	21 MAY	674.5	65.0	19109	19087		
19169 19170 19189 19190 19195 19196 19210 19211 19215 19216 19217 19218 19219 19220 19857 19951 19223	COSMOS 1946 COSMOS 1947 COSMOS 1948 INTELSAT 5A F-13 COSMOS 1946 COSMOS 1947 COSMOS 1948 MOLNIYA 3-32 COSMOS 1950 COSMOS 1953	19169	USSR	21 MAY	339.8	65.6	18789	715		
		19170	USSR	21 MAY	339.9	65.4	18758	751		
		19189	USSR	26 MAY	714.3	64.6	38267	1917		
		19190	USSR	26 MAY	733.0	64.8	38963	2137		
		19195	USSR	30 MAY	116.0	73.6	1519	1482		
		19196	USSR	30 MAY	116.0	73.6	1514	1482		
		19210	USSR	14 JUN	97.2	82.5	637	607		
		19211	USSR	14 JUN	97.4	82.5	649	618		
		19215	ESA	15 JUN	1436.3	0.6	35796	35783		
		19216	US	15 JUN	686.6	57.5	38130	674		
19217 19218 19219 19220 19857 19951 19223	COSMOS 1954	19217	US	15 JUN	1436.2	0.0	35799	35777		
		19218	ESA	15 JUN	350.7	10.2	20012	178		
		19219	ESA	15 JUN	598.6	10.1	34002	296		
		19220	ESA	15 JUN	435.0	9.9	24996	279		
		19857	ESA	15 JUN	631.8	7.0	35324	697		
		19951	ESA	15 JUN	632.3	8.0	35209	842		
		19223	US	16 JUN	108.9	90.0	1199	1149		
		19256	USSR	21 JUN	100.6	74.0	797	772		
		19257	USSR	21 JUN	100.4	74.0	794	760		
		19260	USSR	21 JUN	100.4	74.1	779	771		
19274 19275 19281 19282 19287 19288 19324 19325 19331 19332 20127 20488	OKEAN 1 PHOBOS 1 PHOBOS 2	19274	USSR	05 JUL	97.1	82.5	634	607		
		19275	USSR	05 JUL	97.4	82.5	650	619		
		19281	USSR	07 JUL	MARS ORBIT					
		19282	USSR	07 JUL	HELIOCENTRIC ORBIT					
		19287	USSR	12 JUL	MARS ORBIT					
19324 19325 19331 19332 20127 20488	COSMOS 1959	19324	USSR	18 JUL	104.6	83.0	1003	951		
		19325	USSR	18 JUL	104.5	83.0	995	950		
		19331	ESA	21 JUL	1436.3	2.9	35823	35758		
		19332	ESA	21 JUL	1436.1	0.0	35835	35737		
		20127	ESA	21 JUL	449.7	7.5	25838	293		
		20488	ESA	21 JUL	307.9	7.4	17084	450		
		19324	USSR	21 JUL	630.3	7.3	35497	370		
		19325	USSR	21 JUL	307.9	7.4	17084	370		
		19331	INDIA	21 JUL	288.9	7.8	15801	393		
		19332	USSR	26 JUL	109.3	82.5	1206	1180		
19336 19337 20380 20378 19344 19347 19348 19377	METEOR 3-2	19336	USSR	26 JUL	109.3	82.5	1204	1182		
		19337	USSR	26 JUL	91.0	65.8	323	319		
		20380	USSR	28 JUL	90.8	65.8	318	308		
		20378	USSR	28 JUL	90.8	65.8	318	308		
		19344	USSR	01 AUG	1436.2	2.5	35801	35774		
19347 19348 19377	COSMOS 1961 MOLNIYA 1-73	19347	USSR	01 AUG	1459.7	2.6	36392	36100		
		19348	USSR	01 AUG	421.5	46.8	24237	252		
		19377	USSR	12 AUG	717.7	64.9	38897	1454		

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1988-069D	GORIZONT 16	19380	USSR	12 AUG	730.8	65.1	39604	1392		
1988-071A		19397	USSR	18 AUG	1440.3	2.5	35919	35819		
1988-071D		19400	USSR	18 AUG	1432.0	2.5	35789	35624		
1988-071E		19401	USSR	18 AUG	600.1	46.7	34244	131		
1988-071F		19402	USSR	18 AUG	251.8	46.8	13480	178		
1988-074A		19419	US	25 AUG	107.3	89.9	1175	1030		
1988-074B		19420	US	25 AUG	107.3	89.9	1173	1031		
1988-074C		19421	US	25 AUG	107.4	89.9	1176	1031		
1988-074D		19515	US	25 AUG	107.2	89.9	1169	1021		
1988-074E		19516	US	25 AUG	107.1	89.9	1162	1023		
1988-074F	19559	US	25 AUG	107.2	89.4	1167	1026			
1988-074G	19577	US	25 AUG	107.2	90.5	1167	1029			
1988-076A	COSMOS 1966	19445	USSR	30 AUG	717.8	67.0	38225	2127		
1988-076D		19448	USSR	30 AUG	705.5	67.2	37701	2047		
1988-077A		19458	US	02 SEP	NO ELEMENTS	ELEMENTS AVAILABLE				
1988-077B		19459	US	02 SEP	NO ELEMENTS	ELEMENTS AVAILABLE				
1988-077C		19490	US	02 SEP	NO ELEMENTS	ELEMENTS AVAILABLE				
1988-078A		19460	US	05 SEP	NO ELEMENTS	ELEMENTS AVAILABLE				
1988-078B		19461	US	05 SEP	NO ELEMENTS	ELEMENTS AVAILABLE				
1988-080A		19467	PRC	06 SEP	102.7	99.3	937	833		
1988-080B		19468	PRC	06 SEP	102.7	99.3	895	873		
1988-081A		GSTAR 3 SBS 5	19483	US	08 SEP	1436.2	4.7	35793	35782	
1988-081B	19484		US	08 SEP	1436.1	0.0	35796	35777		
1988-081C	COSMOS 1970 COSMOS 1971 COSMOS 1972	19485	ESA	08 SEP	420.9	7.5	24181	268		
1988-085A		19501	USSR	16 SEP	675.7	65.7	19157	19101		
1988-085B		19502	USSR	16 SEP	675.7	65.7	19158	19100		
1988-085C		19503	USSR	16 SEP	675.7	65.7	19155	19103		
1988-085E		19505	USSR	16 SEP	674.9	65.7	19115	19101		
1988-085F		19535	USSR	16 SEP	339.2	65.5	18736	730		
1988-085G		19537	USSR	16 SEP	339.2	65.3	18717	750		
1988-085H	CS-3B	21751	USSR	16 SEP	214.2	64.4	10070	890		
1988-086A		19508	JAPAN	16 SEP	1436.2	0.0	35791	35786		
1988-086C		19558	JAPAN	16 SEP	629.3	27.9	35800	95		
1988-089A	NOAA 11	19531	US	24 SEP	101.9	99.1	855	838		
1988-089B		19532	US	24 SEP	98.1	98.9	671	665		
1988-090A	MOLNIYA 3-33	19541	USSR	29 SEP	717.1	64.9	38797	1521		
1988-090D		19544	USSR	29 SEP	698.1	64.8	37839	1541		
1988-091B		19548	US	29 SEP	1436.2	0.1	35804	35772		
1988-091C	TDRS 3	19549	US	29 SEP	603.2	26.2	34283	257		
1988-091D		19550	US	29 SEP	1433.1	1.7	35799	35657		
1988-092A	COSMOS 1974	19554	USSR	03 OCT	718.1	63.6	37698	2672		
1988-092D		19557	USSR	03 OCT	705.5	63.7	37140	2604		
1988-093A	COSMOS 1975	19573	USSR	11 OCT	97.1	82.5	636	606		
1988-093B		19574	USSR	11 OCT	97.4	82.5	649	617		
1988-093C	RADUGA 22	20471	USSR	11 OCT	96.1	82.5	585	561		
1988-095A		19596	USSR	20 OCT	1436.2	2.3	35793	35785		
1988-095D		19600	USSR	20 OCT	602.6	46.6	34363	144		
1988-095E	COSMOS 1977	19601	USSR	20 OCT	545.2	46.6	31321	138		
1988-095F		19777	USSR	20 OCT	1470.3	2.4	36511	36396		
1988-096A		19608	USSR	25 OCT	718.9	63.9	37421	2987		
1988-096D	TDF-1	19611	USSR	25 OCT	704.9	64.3	36873	2845		
1988-098A		19621	FRANCE	28 OCT	1436.2	0.1	35799	35776		
1988-098B		19622	ESA	28 OCT	567.2	4.2	32322	315		
1988-098C	COSMOS 1980	20132	ESA	26 OCT	347.2	3.9	19736	234		
1988-099A		19625	US	06 NOV	NO ELEMENTS	ELEMENTS AVAILABLE				
1988-099B		19626	US	06 NOV	NO ELEMENTS	ELEMENTS AVAILABLE				
1988-102A	COSMOS 1980	19649	USSR	23 NOV	101.9	71.0	851	842		
1988-102B		19650	USSR	23 NOV	101.7	71.0	850	831		

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1988-102C		19656	USSR	23 NOV	105.1	71.0	1159	841		
1988-102D		19657	USSR	23 NOV	105.1	71.0	1157	840		
1988-102E		19658	USSR	23 NOV	104.9	71.0	1136	842		
1988-102F		19659	USSR	23 NOV	104.7	71.0	1119	842		
1988-102H		19813	USSR	23 NOV	105.1	71.0	1162	839		
1988-102J		20301	USSR	23 NOV	101.9	71.0	860	833		
1988-106B		19671	US	02 DEC	NO ELEMENTS AVAILABLE					
1988-108A	EKRAN 19	19683	USSR	08 DEC	1436.2	2.2	35801	35776		
1988-108D		19686	USSR	08 DEC	1418.5	2.2	35509	35373		
1988-109A	SKYNET 4B	19687	UK	11 DEC	1436.1	0.6	35855	35716		
1988-109B	ASTRA 1A	19688	LUXBRG	11 DEC	1436.1	0.0	35821	35753		
1988-109C		19689	ESA	11 DEC	638.6	7.3	35961	413		
1988-109D		19690	ESA	11 DEC	314.5	7.1	17690	190		
1988-111A	PRC 25	19710	PRC	22 DEC	1436.2	0.1	35790	35786		
1988-112A	MOLNIYA 3-34	19713	USSR	22 DEC	717.7	63.5	39365	983		
1988-112D		19716	USSR	22 DEC	696.1	63.5	38402	877		
1988-113H		19764	USSR	23 DEC	94.1	73.5	477	470		
1988-115A	MOLNIYA 1-74	19730	USSR	28 DEC	717.5	64.9	39365	975		
1988-115D		19733	USSR	28 DEC	695.7	64.9	38235	1023		
1989 LAUNCHES										
1989-001A	COSMOS 1987	19749	USSR	10 JAN	675.7	64.9	19143	19115		
1989-001B	COSMOS 1988	19750	USSR	10 JAN	675.7	64.9	19145	19113		
1989-001C	COSMOS 1989	19751	USSR	10 JAN	675.5	64.9	19151	19099		
1989-001E		19753	USSR	10 JAN	675.5	64.9	19150	19098		
1989-001F		19754	USSR	10 JAN	674.7	64.9	19105	19099		
1989-001G		19755	USSR	10 JAN	339.6	65.4	18749	743		
1989-001H		19856	USSR	10 JAN	339.6	65.5	18769	721		
1989-004A	GORIZONT 17	19765	USSR	26 JAN	1436.0	2.1	35793	35775		
1989-004E		19771	USSR	26 JAN	310.9	46.7	17451	198		
1989-004F		19776	USSR	26 JAN	1469.5	2.1	36545	36329		
1989-005A	COSMOS 1992	19769	USSR	26 JAN	100.5	74.1	799	764		
1989-005B		19770	USSR	26 JAN	100.3	74.0	777	769		
1989-005C		19831	USSR	26 JAN	100.6	74.1	806	764		
1989-005D		19945	USSR	26 JAN	1436.2	0.1	35802	35772		
1989-006A	INTELSAT 5A F-15	19772	ITSO	27 JAN	636.9	8.1	35772	513		
1989-006B		19773	ESA	27 JAN	113.9	82.6	1414	1392		
1989-009A	COSMOS 1994	19785	USSR	10 FEB	114.1	82.6	1414	1410		
1989-009B	COSMOS 1995	19786	USSR	10 FEB	114.0	82.6	1414	1404		
1989-009C	COSMOS 1996	19787	USSR	10 FEB	114.0	82.6	1414	1397		
1989-009D	COSMOS 1997	19788	USSR	10 FEB	113.9	82.6	1414	1387		
1989-009E	COSMOS 1998	19789	USSR	10 FEB	113.8	82.6	1414	1381		
1989-009F	COSMOS 1999	19790	USSR	10 FEB	113.7	82.6	1414	1414		
1989-009G		19791	USSR	10 FEB	114.7	82.6	1468	1414		
1989-011A	COSMOS 2001	19796	USSR	14 FEB	717.8	66.1	38185	2167		
1989-011D		19799	USSR	14 FEB	705.7	66.6	37688	2070		
1989-013A	MOLNIYA 1-75	19802	US	14 FEB	718.0	55.1	20291	20071		
1989-014A		19807	USSR	15 FEB	717.9	63.4	38207	2151		
1989-014D		19810	USSR	15 FEB	694.4	63.4	37159	2036		
1989-016A	EXOS-D	19822	JAPAN	21 FEB	188.8	75.1	8779	270		
1989-016C		19824	JAPAN	21 FEB	175.0	75.1	7703	267		
1989-016K		19952	JAPAN	21 FEB	144.2	75.6	5207	255		
1989-016M		19963	JAPAN	21 FEB	167.3	75.1	7086	271		
1989-016N		20021	JAPAN	21 FEB	154.6	74.4	6064	264		
1989-016P		20034	JAPAN	21 FEB	89.8	74.8	364	164		
1989-017A	COSMOS 2004	19826	USSR	22 FEB	104.9	83.0	1014	969		
1989-017B		19827	USSR	22 FEB	104.8	83.0	1007	963		

INTER- NATIONAL DESIGNATION	NAME	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
		CATALOG NUMBER	SOURCE	LAUNCH						
1989-018A	METEOR 2-18	19851	USSR	28 FEB	104.0	82.5	955	935		
1989-018B		19852	USSR	28 FEB	104.0	82.5	959	935		
1989-020A	JCSAT-1	19874	JAPAN	06 MAR	1436.2	0.0	35794	35782		
1989-020B	MOP-1	19876	ESA	06 MAR	1436.2	0.2	35793	35782		
1989-020E		20800	UK	06 MAR	1433.8	1.9	36271	35211		
1989-021B	TDRS-D	19883	US	13 MAR	1436.2	0.1	35799	35776		
1989-021C		19884	US	13 MAR	544.0	26.8	31152	238		
1989-021D		19913	US	13 MAR	1431.1	5.2	35798	35580		
1989-025A	COSMOS 2008	19902	USSR	24 MAR	114.4	74.0	1469	1391		
1989-025B	COSMOS 2009	19903	USSR	24 MAR	114.6	74.0	1469	1407		
1989-025C	COSMOS 2010	19904	USSR	24 MAR	114.8	74.0	1470	1421		
1989-025D	COSMOS 2011	19905	USSR	24 MAR	115.0	74.0	1470	1436		
1989-025E	COSMOS 2012	19906	USSR	24 MAR	115.1	74.0	1470	1453		
1989-025F	COSMOS 2013	19907	USSR	24 MAR	115.3	74.0	1478	1462		
1989-025G	COSMOS 2014	19908	USSR	24 MAR	115.5	74.0	1488	1468		
1989-025H	COSMOS 2015	19909	USSR	24 MAR	115.7	74.0	1507	1467		
1989-025J		19910	USSR	24 MAR	117.7	74.0	1682	1472		
1989-027A	TELE-X	19919	SWEDEN	02 APR	1436.1	0.0	35823	35750		
1989-027B		19920	ESA	02 APR	313.3	4.0	17399	402		
1989-028A	COSMOS 2016	19921	USSR	04 APR	104.7	83.0	1011	950		
1989-028B		19922	USSR	04 APR	104.6	83.0	1001	947		
1989-030A	RADUGA 23	19928	USSR	14 APR	1436.1	1.9	35789	35783		
1989-030D		19931	USSR	14 APR	1470.6	2.0	36539	36377		
1989-030F		19933	USSR	14 APR	597.5	46.8	34087	154		
1989-033B	MAGELLAN	19969	US	04 MAY	VENUS ORBIT		24471	280		
1989-033C		19970	US	04 MAY	VENUS ORBIT					
1989-033D		19971	US	04 MAY	VENUS ORBIT					
1989-035A		19976	US	10 MAY	NO ELEMENTS	AVAILABLE				
1989-035B		19977	US	10 MAY	NO ELEMENTS	AVAILABLE				
1989-035C		19978	US	10 MAY	NO ELEMENTS	AVAILABLE				
1989-039A	COSMOS 2022	19983	USSR	31 MAY	675.7	65.5	19142	19116		
1989-039B	COSMOS 2023	20024	USSR	31 MAY	675.7	65.5	19170	19088		
1989-039C	COSMOS 2024	20025	USSR	31 MAY	675.4	65.5	19146	19096		
1989-039E		20026	USSR	31 MAY	674.5	65.5	19142	19055		
1989-039F		20028	USSR	31 MAY	675.4	65.5	19151	19090		
1989-039G		20044	USSR	31 MAY	675.4	65.2	18841	636		
1989-039H		20081	USSR	31 MAY	339.4	65.3	18816	662		
1989-041A	SUPERBIRD A	20082	USSR	31 MAY	339.4	65.3	18816	662		
1989-041B		20040	JAPAN	05 JUN	1443.8	1.9	35952	35922		
1989-041C		20041	FRG	05 JUN	1436.1	0.0	35851	35720		
1989-042A	COSMOS 2026	20042	ESA	05 JUN	437.6	6.4	25173	254		
1989-042B		20045	USSR	07 JUN	104.6	82.9	1006	948		
1989-043A	MOLNIYA 3-35	20046	USSR	07 JUN	104.5	82.9	39325	946		
1989-043D		20052	USSR	08 JUN	717.7	64.8	40127	1023		
1989-044A		20055	USSR	08 JUN	733.3	65.0	40127	989		
1989-046A		20061	US	10 JUN	718.0	54.9	20478	19886		
1989-046B		20066	US	14 JUN	NO ELEMENTS	AVAILABLE				
1989-046C		20067	US	14 JUN	NO ELEMENTS	AVAILABLE				
1989-046D		20068	US	14 JUN	NO ELEMENTS	AVAILABLE				
1989-046E		20069	US	14 JUN	NO ELEMENTS	AVAILABLE				
1989-046F		20319	US	14 JUN	NO ELEMENTS	AVAILABLE				
1989-048A	RADUGA 1-1	20083	USSR	21 JUN	1436.2	1.7	35798	35777		
1989-048D		20086	USSR	21 JUN	1471.0	1.8	36572	36362		
1989-048F		20094	USSR	21 JUN	453.8	46.5	26182	186		
1989-050A	NADEZHDA	20103	USSR	04 JUL	104.8	83.0	1011	954		
1989-050B		20104	USSR	04 JUL	104.6	83.0	1003	952		
1989-052A	GORIZONT 18	20107	USSR	05 JUL	1436.2	1.6	35796	35780		
1989-052D		20110	USSR	05 JUL	1397.3	1.5	35152	34894		
1989-052F		20116	USSR	05 JUL	536.9	46.8	30749	257		

INTER-NATIONAL DESIGNATION		OBJECTS IN ORBIT				PERIOD MINUTES		INCLINATION		APOGEE (KM)		PERIGEE (KM)		NOTES	
NAME	CATALOG NUMBER	SOURCE	LAUNCH												
1989-053A	20122	ESA	12 JUL			1436.2		0.7		35796		35779			
1989-053B	20123	ESA	12 JUL			367.1		6.5		20971		237			
1989-053C	20229	ESA	12 JUN			636.9		6.7		35862		425			
1989-059A	20149	USSR	25 JUL			104.8		82.9		1011		962			
1989-059B	20150	USSR	25 JUL			104.7		82.9		1001		957			
1989-061B	20167	US	08 AUG			NO		ELEMENTS AVAILABLE							
1989-061C	20172	US	08 AUG			NO		ELEMENTS AVAILABLE							
1989-061D	20344	US	08 AUG			NO		ELEMENTS AVAILABLE							
1989-061E	22263	US	08 AUG			NO		CURRENT ELEMENTS							
1989-061F	22264	US	08 AUG			NO		CURRENT ELEMENTS							
1989-061G	22265	US	08 AUG			NO		CURRENT ELEMENTS							
1989-061H	22267	US	08 AUG			NO		CURRENT ELEMENTS							
1989-061J	22268	US	08 AUG			NO		CURRENT ELEMENTS							
1989-062A	20168	FRG	08 AUG			1436.2		0.0		35814		35761			
1989-062B	20169	ESA	08 AUG			638.7		7.2		35861		518			
1989-062C	20170	ESA	08 AUG			621.7		7.7		35142		360			
1989-064A	20185	US	18 AUG			717.9		54.9		20207		20154			
1989-067A	20193	UK	27 AUG			1436.2		0.0		35793		35783			
1989-067C	20195	US	27 AUG			644.7		23.3		36412		272			
1989-068A	20196	USSR	28 AUG			116.0		73.6		1522		1482			
1989-068B	20197	USSR	28 AUG			116.0		73.6		1520		1482			
1989-069A	20202	US	04 SEP			NO		ELEMENTS AVAILABLE							
1989-069B	20203	US	04 SEP			NO		ELEMENTS AVAILABLE							
1989-069D	20205	US	04 SEP			NO		ELEMENTS AVAILABLE							
1989-070A	20217	JAPAN	05 SEP			1436.2		0.3		35791		35784			
1989-070B	20230	JAPAN	05 SEP			482.5		28.0		27819		179			
1989-070C	20317	JAPAN	05 SEP			1458.1		0.9		37197		35234			
1989-072A	20220	US	06 SEP			NO		ELEMENTS AVAILABLE							
1989-072B	20221	US	06 SEP			NO		ELEMENTS AVAILABLE							
1989-074A	20232	USSR	14 SEP			113.8		82.6		1408		1389			
1989-074B	20233	USSR	14 SEP			113.7		82.6		1408		1383			
1989-074C	20234	USSR	14 SEP			114.0		82.6		1413		1408			
1989-074D	20235	USSR	14 SEP			113.8		82.6		1408		1394			
1989-074E	20236	USSR	14 SEP			113.9		82.6		1408		1399			
1989-074F	20237	USSR	14 SEP			113.9		82.6		1408		1406			
1989-074G	20238	USSR	14 SEP			114.7		82.6		1472		1407			
1989-077A	20253	US	25 SEP			1436.1		2.9		35801		35774			
1989-078A	20255	USSR	27 SEP			717.7		64.4		39751		598			
1989-078D	20258	USSR	27 SEP			698.3		64.5		38761		627			
1989-080A	20261	USSR	28 SEP			115.4		82.6		2453		497			
1989-080B	20281	USSR	28 SEP			115.4		82.6		2446		496			
1989-080C	20262	USSR	28 SEP			115.6		82.6		2472		496			
1989-081A	20263	USSR	28 SEP			1436.1		1.5		35795		35779			
1989-081D	20266	USSR	28 SEP			1431.3		1.2		36032		35354			
1989-084B	20298	US	18 OCT			HELIOCENTRIC ORBIT									
1989-084C	20299	US	18 OCT			446.1		34.4		25703		218			
1989-084D	20300	US	18 OCT			HELIOCENTRIC ORBIT									
1989-085A	20302	US	21 OCT			718.0		53.9		20218		20144			
1989-085B	20303	US	21 OCT			98.6		35.6		899		488			
1989-086A	20305	USSR	24 OCT			109.4		82.6		1208		1186			
1989-086B	20306	USSR	24 OCT			109.4		82.6		1208		1185			
1989-087A	20315	ITSO	27 OCT			1436.1		0.0		35809		35764			
1989-087B	20316	ESA	27 OCT			589.6		7.4		33531		293			
1989-089A	20322	US	18 NOV			102.6		99.0		885		873			
1989-089B	20323	US	18 NOV			99.8		97.1		803		690			
1989-089C	20324	US	18 NOV			102.3		99.0		879		860			
1989-089D	20328	US	18 NOV			102.7		99.0		885		884			
1989-090B	20355	US	23 NOV			NO ELEMENTS AVAILABLE									

OBJECTS IN ORBIT

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1989-090C		20356	US	23 NOV	NO	ELEMENTS AVAILABLE			
1989-090D		20357	US	23 NOV	NO	ELEMENTS AVAILABLE			
1989-091A	COSMOS 2050	20330	USSR	23 NOV	717.8	62.7	38646	1710	
1989-091D		20333	USSR	23 NOV	705.2	63.5	37973	1756	
1989-093A	KVANT -2	20335	USSR	26 NOV	92.5	51.6	395	394	
1989-094A	MOLNIYA 3-36	20338	USSR	28 NOV	717.6	64.4	39806	538	
1989-094B		20339	USSR	28 NOV	732.1	64.5	40518	541	
1989-096A	GRANAT	20352	USSR	01 DEC	5900.7	86.7	160909	42670	
1989-096C		20354	USSR	01 DEC	5775.9	86.2	159600	40916	
1989-097A		20361	US	11 DEC	718.0	55.2	20360	20003	
1989-097B		20362	US	11 DEC	98.5	35.6	885	484	
1989-098A	RADUGA 24	20367	USSR	15 DEC	1435.9	1.2	35793	35770	
1989-098D		20370	USSR	15 DEC	1471.6	1.3	36559	36398	
1989-100A	COSMOS 2053	20389	USSR	27 DEC	93.2	73.5	436	426	
1989-100B		20390	USSR	27 DEC	94.5	73.5	501	482	
1989-101A	COSMOS 2054	20391	USSR	27 DEC	1436.1	1.2	35792	35782	
1989-101D		20394	USSR	27 DEC	1465.7	1.2	36411	36316	
1989-101E		20399	USSR	27 DEC	477.7	46.8	27480	247	
1989-101G		21648	USSR	27 DEC	NO	CURRENT ELEMENTS			
1990 LAUNCHES									
1990-001A	SKYNET 4A	20401	UK	01 JAN	1436.2	1.8	35796	35780	
1990-001B	JCSAT	20402	JAPAN	01 JAN	1436.2	0.0	35794	35781	
1990-001D		20404	US	01 JAN	605.1	21.3	34347	290	
1990-001F		20406	US	01 JAN	328.3	26.6	18477	295	
1990-002B	LEASAT 5	20410	US	09 JAN	1436.2	2.7	35815	35759	
1990-002C		20411	US	09 JAN	266.6	27.2	14346	337	
1990-004A		20432	USSR	18 JAN	100.6	74.0	804	769	
1990-004B		20433	USSR	18 JAN	100.5	74.0	807	755	
1990-004C		20434	USSR	18 JAN	100.8	74.0	809	779	
1990-004D		20435	USSR	18 JAN	100.2	74.0	785	754	
1990-005A	SPOT-2	20436	FRANCE	22 JAN	101.3	98.7	822	822	
1990-005B	OSCAR 14	20437	UK	22 JAN	100.7	98.6	797	782	
1990-005C	OSCAR 15	20438	UK	22 JAN	100.7	98.6	799	784	
1990-005D	OSCAR 16	20439	US	22 JAN	100.7	98.6	797	781	
1990-005E	OSCAR 17	20440	BRAZIL	22 JAN	100.6	98.6	797	781	
1990-005F	OSCAR 18	20441	US	22 JAN	100.6	98.6	797	780	
1990-005G	OSCAR 19	20442	ARGNT	22 JAN	100.6	98.6	797	780	
1990-005H		20443	ESA	22 JAN	100.5	98.5	789	774	
1990-006A		20444	USSR	23 JAN	717.7	64.8	39715	635	
1990-006A	MOLNIYA 3	20446	USSR	23 JAN	696.7	64.7	38626	681	
1990-007A	MUSES A	20448	JAPAN	24 JAN	NO	ELEMENTS AVAILABLE			
1990-007B	HAGOROMO	20618	JAPAN	24 JAN	NO	ELEMENTS AVAILABLE			
1990-007D		20451	JAPAN	24 JAN	717.9	54.2	20313	20049	
1990-008A		20452	US	24 JAN	101.6	35.6	1217	446	
1990-008B		20453	US	24 JAN	176.9	37.6	7934	184	
1990-010A		20455	US	24 JAN	97.4	82.5	648	616	
1990-010B	COSMOS 2058	20465	USSR	30 JAN	97.5	82.5	655	621	
1990-011A		20466	USSR	30 JAN	1436.2	0.0	35791	35785	
1990-011B	PRC-26	20473	PRC	04 FEB	597.6	30.2	33937	306	
1990-011B		20474	PRC	04 FEB	NO	CURRENT ELEMENTS			
1990-012C		20481	USSR	06 FEB	103.2	99.1	909	908	
1990-013A	MOS 1B	20478	JAPAN	07 FEB	112.2	99.1	1742	908	
1990-013B	DEBUT	20479	JAPAN	07 FEB	112.2	99.1	1743	908	
1990-013C	JAS 1-B	20480	JAPAN	07 FEB	110.5	99.1	1606	889	
1990-013D		20491	JAPAN	07 FEB	110.5	99.1	1606	889	
1990-015A		20496	US	14 FEB	94.2	43.1	492	469	

OBJECTS IN ORBIT

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1990-016A	RADUGA 25	20499	USSR	15 FEB	1436.1	1.1	35795	35776	
1990-016D		20502	USSR	15 FEB	1439.8	1.1	36012	35706	
1990-017A	NADEZHDA-2	20508	USSR	27 FEB	104.8	83.0	1016	952	
1990-017B		20509	USSR	27 FEB	104.7	83.0	1010	949	
1990-018A	OKEAN-2	20510	USSR	28 FEB	97.4	82.5	647	618	
1990-018B		20511	USSR	28 FEB	97.6	82.5	656	628	
1990-019B		20516	US	28 FEB	NO	ELEMENTS	AVAILABLE		
1990-019C		20517	US	28 FEB	NO	ELEMENTS	AVAILABLE		
1990-019D		20518	US	28 FEB	NO	ELEMENTS	AVAILABLE		
1990-019E		20519	US	28 FEB	NO	ELEMENTS	AVAILABLE		
1990-019F		20520	US	28 FEB	NO	ELEMENTS	AVAILABLE		
1990-019G		20521	US	28 FEB	NO	ELEMENTS	AVAILABLE		
1990-021A	INTELSAT-6	20523	ITSO	14 MAR	1436.2	0.1	35792	35784	
1990-023A	COSMOS 2061	20527	USSR	20 MAR	104.9	82.9	1014	968	
1990-023B		20528	USSR	20 MAR	104.8	82.9	1007	965	
1990-025A		20533	US	26 MAR	717.9	55.2	20281	20080	
1990-025C		20535	US	26 MAR	142.3	37.4	5121	179	
1990-026A	COSMOS 2063	20536	USSR	27 MAR	717.5	63.8	39058	1281	
1990-026D		20539	USSR	27 MAR	709.3	64.7	38600	1334	
1990-028A	PEGSAT	20546	US	05 APR	94.1	94.1	539	410	
1990-028B		20547	US	05 APR	95.9	94.1	643	481	
1990-029A	COSMOS 2064	20549	USSR	06 APR	115.4	74.0	1488	1460	
1990-029B	COSMOS 2065	20550	USSR	06 APR	115.2	74.0	1473	1459	
1990-029C	COSMOS 2066	20551	USSR	06 APR	114.3	74.0	1461	1384	
1990-029D	COSMOS 2067	20552	USSR	06 APR	114.4	74.0	1461	1398	
1990-029E	COSMOS 2068	20553	USSR	06 APR	114.6	74.0	1460	1413	
1990-029F	COSMOS 2069	20554	USSR	06 APR	114.8	74.0	1460	1427	
1990-029G	COSMOS 2070	20555	USSR	06 APR	114.9	74.0	1461	1441	
1990-029H	COSMOS 2071	20556	USSR	06 APR	115.1	74.0	1460	1457	
1990-029J		20557	USSR	06 APR	117.7	74.0	1696	1460	
1990-030A	ASIASAT 1	20558	UK	07 APR	1436.2	0.1	35789	35785	
1990-030B		20559	PRC	07 APR	583.2	31.1	33229	258	
1990-031A		20560	US	11 APR	NO	ELEMENTS	AVAILABLE		
1990-031B		20561	US	11 APR	NO	ELEMENTS	AVAILABLE		
1990-031C		20562	US	11 APR	NO	ELEMENTS	AVAILABLE		
1990-031D		20563	US	11 APR	NO	ELEMENTS	AVAILABLE		
1990-031E		20564	US	11 APR	NO	ELEMENTS	AVAILABLE		
1990-031F		20565	US	11 APR	NO	ELEMENTS	AVAILABLE		
1990-031G		20575	US	11 APR	NO	ELEMENTS	AVAILABLE		
1990-031H		20576	US	11 APR	NO	ELEMENTS	AVAILABLE		
1990-034A	PALAPA B2R	20570	INDO	13 APR	1436.2	0.0	35792	35785	
1990-034B		20571	US	13 APR	103.8	22.7	1376	497	
1990-034C		20572	US	13 APR	358.0	18.6	20454	189	
1990-036A	COSMOS 2074	20577	USSR	20 APR	104.7	82.9	1003	961	
1990-036B		20578	USSR	20 APR	104.6	82.9	992	962	
1990-037B	HST	20580	US	24 APR	96.6	28.5	598	591	
1990-039A	MOLNIYA 1-77	20583	USSR	26 APR	717.7	63.8	39606	743	
1990-039D		20586	USSR	26 APR	733.1	63.8	40336	770	
1990-040A	COSMOS 2076	20596	USSR	28 APR	718.7	63.0	39146	1253	
1990-040D		20599	USSR	28 APR	707.7	63.7	38523	1330	
1990-043A	SCOUT M-1	20607	US	09 MAY	98.3	89.9	755	601	
1990-043B		20608	US	09 MAY	98.3	89.9	752	600	
1990-043C		20609	US	09 MAY	97.9	89.9	731	588	
1990-043D		20610	US	09 MAY	97.4	89.9	698	567	
1990-043E		20611	US	09 MAY	97.2	89.9	688	562	
1990-043F		20612	US	09 MAY	97.2	89.9	677	569	
1990-043H		20614	US	09 MAY	97.1	89.9	673	567	
1990-043K		20651	US	09 MAY	97.9	90.2	758	556	

INTER-NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI-NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1990-043L		20759	US	09 MAY		96.2	89.7	603		
1990-045A	COSMOS 2079	20619	USSR	19 MAY		675.7	65.3	19195	545	
1990-045B	COSMOS 2080	20620	USSR	19 MAY		675.7	65.3	19144	19063	
1990-045C	COSMOS 2081	20621	USSR	19 MAY		675.7	65.3	19168	19113	
1990-045E		20623	USSR	19 MAY		674.7	65.3	19134	19090	
1990-045F		20630	USSR	19 MAY		339.6	65.1	18891	19074	
1990-045G		20631	USSR	19 MAY		339.4	65.0	18877	602	
1990-046A		20624	USSR	22 MAY		101.9	71.0	853	604	
1990-046B		20625	USSR	22 MAY		101.8	71.0	855	841	
1990-046C		20626	USSR	22 MAY		105.1	71.0	1153	834	
1990-046D		20627	USSR	22 MAY		105.2	71.0	1165	840	
1990-046E		20628	USSR	22 MAY		105.1	71.0	1156	841	
1990-046F		20629	USSR	22 MAY		104.9	71.0	1141	840	
1990-048A	KRISTALL	20635	USSR	31 MAY		92.5	51.6	395	842	
1990-049A	ROSAT	20638	FRG	01 JUN		95.6	53.0	557	394	
1990-050A		20641	US	08 JUN		NO	ELEMENTS AVAILABLE		542	
1990-050B		20682	US	08 JUN		NO	ELEMENTS AVAILABLE			
1990-050C		20691	US	08 JUN		NO	ELEMENTS AVAILABLE			
1990-050D		20692	US	08 JUN		NO	ELEMENTS AVAILABLE			
1990-050E		20642	US	08 JUN		NO	ELEMENTS AVAILABLE			
1990-050F		21916	US	08 JUN		NO	ELEMENTS AVAILABLE			
1990-050G		21917	US	08 JUN		NO	ELEMENTS AVAILABLE			
1990-050H		22171	US	08 JUN		NO	ELEMENTS AVAILABLE			
1990-051A	INSAT-1D	20643	INDIA	12 JUN		1436.2	0.0	35798	35777	
1990-052A	MOLNIYA 3-38	20646	USSR	13 JUN		717.7	63.1	39541	809	
1990-052D		20649	USSR	13 JUN		734.1	63.1	40292	866	
1990-054A	GORIZONT 20	20659	USSR	20 JUN		1436.2	0.8	35806	35769	
1990-054D		20662	USSR	20 JUN		1433.0	0.7	35789	35664	
1990-054E		20704	USSR	20 JUN		487.9	47.1	28002	298	
1990-055A	COSMOS 2084	20663	USSR	21 JUN		97.6	62.8	767	535	
1990-055D		20666	USSR	21 JUN		97.6	62.8	753	536	
1990-056A	INTELSAT	20667	ITSO	23 JUN		1436.1	0.0	35931	35641	
1990-056C		20669	US	23 JUN		664.8	24.5	37412	297	
1990-057A	METEOR 2-19	20670	USSR	27 JUN		104.0	82.5	957	935	
1990-057B		20671	USSR	27 JUN		104.0	82.5	956	935	
1990-061A	COSMOS 2085	20693	USSR	18 JUL		1436.1	0.7	35791	35782	
1990-061D		20696	USSR	18 JUL		1437.2	0.7	35949	35668	
1990-061F		20698	USSR	18 JUL		516.7	47.0	29522	379	
1990-063A	TDF-2	20705	FRANCE	24 JUL		1436.2	0.1	35799	35776	
1990-063B	DFS-2	20706	FRG	24 JUL		1436.1	0.0	35827	35745	
1990-063C		20717	ESA	24 JUL		633.7	3.8	35746	375	
1990-063D		20718	ESA	24 JUL		579.3	4.2	32996	288	
1990-064A	COSMOS 2087	20707	USSR	25 JUL		717.7	64.5	38488	1861	
1990-064D		20710	USSR	25 JUL		703.9	64.7	37895	1774	
1990-065A	CRRES	20712	US	25 JUL		614.4	18.0	34781	345	
1990-065B			US	25 JUL		SEE NOTE		57*		
1990-066A	COSMOS 2088	20720	USSR	30 JUL		116.0	73.6	1521	1482	
1990-066B		20721	USSR	30 JUL		116.0	73.6	1518	1481	
1990-068A		20724	US	02 AUG		718.0	54.7	20457	19906	
1990-070A	COSMOS 2090	20735	USSR	08 AUG		113.8	82.6	1410	1388	
1990-070B	COSMOS 2091	20736	USSR	08 AUG		114.0	82.6	1412	1409	
1990-070C	COSMOS 2092	20737	USSR	08 AUG		114.0	82.6	1411	1404	
1990-070D	COSMOS 2093	20738	USSR	08 AUG		113.9	82.6	1411	1397	
1990-070E	COSMOS 2094	20739	USSR	08 AUG		113.8	82.6	1410	1393	
1990-070F	COSMOS 2095	20740	USSR	08 AUG		113.7	82.6	1410	1381	
1990-070G		20741	USSR	08 AUG		114.6	82.6	1466	1410	
1990-071A	MOLNIYA 1-78	20742	USSR	10 AUG		717.8	63.2	39118	1236	
1990-071D		20745	USSR	10 AUG		732.7	63.2	39806	1279	

OBJECTS IN ORBIT

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1990-074A	BSB-R2	20762	UK	18 AUG	1436.1	0.0	35794	35779	
1990-074B		20763	US	18 AUG	102.2	24.8	1253	476	
1990-074C		20764	US	18 AUG	670.1	20.9	37480	493	
1990-076A	COSMOS 2097	20767	USSR	28 AUG	717.6	64.7	39093	1252	
1990-076D		20770	USSR	28 AUG	707.8	65.1	38621	1241	
1990-077A	BS-3A	20771	JAPAN	28 AUG	1436.2	0.0	35800	35778	
1990-078A	COSMOS 2098	20774	USSR	28 AUG	108.2	83.0	1896	391	
1990-078B		20775	USSR	28 AUG	107.5	83.0	1843	375	
1990-079A	SKYNET 4C	20776	UK	30 AUG	1436.1	2.6	35796	35776	
1990-079B	EUTELSAT II F1	20777	ESA	30 AUG	1436.0	0.0	36167	35403	
1990-079C		20778	ESA	30 AUG	330.8	7.5	18775	157	
1990-081A	FENGYUN 1-2	20788	PRC	03 SEP	102.7	98.9	897	875	
1990-081D	TO 081CH		PRC	03 SEP	SEE NOTE		52*		
1990-083A	COSMOS 2100	20804	USSR	14 SEP	104.8	82.9	1011	956	
1990-083B		20805	USSR	14 SEP	104.7	82.9	1003	953	
1990-084A	MOLNIYA 3-39	20813	USSR	20 SEP	717.8	63.0	39023	1330	
1990-084D		20816	USSR	20 SEP	731.6	63.1	39792	1242	
1990-086A	METEOR 2-20	20826	USSR	28 SEP	104.0	82.5	958	938	
1990-086B		20827	USSR	28 SEP	104.0	82.5	958	938	
1990-088A		20830	US	01 OCT	718.0	55.2	20368	19995	
1990-090B	ULYSSES	20842	US	06 OCT	HELIOCENTRIC ORBIT				
1990-090C		20843	US	06 OCT	551.9	28.4	31500	320	
1990-090D		20844	US	06 OCT	HELIOCENTRIC ORBIT				
1990-090E		20845	US	06 OCT	HELIOCENTRIC ORBIT				
1990-091A	SBS-6	20872	US	12 OCT	1436.2	0.0	35795	35781	
1990-091B	GALAXY VI	20873	US	12 OCT	1436.1	0.0	35796	35777	
1990-091C		20874	ESA	12 OCT	594.8	7.4	33824	277	
1990-093A	INMARSAT 2 F1	20918	UK	30 OCT	1436.1	1.8	35805	35768	
1990-093B		20919	US	30 OCT	97.9	24.7	943	371	
1990-094A	GORIZONT 21	20923	USSR	03 NOV	1436.1	0.5	35791	35779	
1990-094D		20926	USSR	03 NOV	1427.8	0.4	35791	35456	
1990-094E		20927	USSR	03 NOV	256.5	46.5	13835	150	
1990-095A		20929	US	13 NOV	NO ELEMENTS	AVAILABLE	AVAILABLE		
1990-095C		20931	US	13 NOV	NO ELEMENTS	AVAILABLE	AVAILABLE		
1990-095D		20932	US	13 NOV	NO ELEMENTS	AVAILABLE	AVAILABLE		
1990-095D		20963	US	15 NOV	NO ELEMENTS	AVAILABLE	AVAILABLE		
1990-097B		20964	US	15 NOV	NO ELEMENTS	AVAILABLE	AVAILABLE		
1990-097C		20965	US	15 NOV	NO ELEMENTS	AVAILABLE	AVAILABLE		
1990-097D	COSMOS 2105	20941	USSR	20 NOV	717.9	65.1	39163	1198	
1990-099A		20944	USSR	20 NOV	707.4	65.3	38577	1262	
1990-099D		20945	US	20 NOV	1436.1	0.0	35795	35778	
1990-100A	SATCOM I	20947	US	20 NOV	1436.1	0.0	35788	35787	
1990-100B	GSTAR IV	20946	US	20 NOV	1436.1	0.0	34430	319	
1990-100C		20947	ESA	20 NOV	607.2	7.4	39584	759	
1990-101A	MOLNIYA 1-79	20949	USSR	23 NOV	717.6	64.4	40218	766	
1990-101D		20952	USSR	23 NOV	730.6	64.5	35790	35777	
1990-102A	GORIZONT 22	20953	USSR	23 NOV	1436.0	0.4	36556	36394	
1990-102D		21046	USSR	23 NOV	1471.4	0.4	20359	20005	
1990-103A		20959	US	26 NOV	718.0	55.0	654	486	
1990-103B		20960	US	26 NOV	96.1	21.4	654	486	
1990-104A	COSMOS 2106	20966	USSR	28 NOV	94.1	82.5	483	466	
1990-104B		20967	USSR	28 NOV	94.7	82.5	511	492	
1990-104G		21069	USSR	28 NOV	92.8	82.5	423	399	
1990-105A		20978	US	01 DEC	100.5	98.8	838	725	
1990-105AA		21124	US	01 DEC	94.6	98.8	533	462	
1990-105AB		21125	US	01 DEC	95.7	98.9	614	491	
1990-105AB		21690	US	01 DEC	98.2	98.8	761	675	
1990-105AE		20979	US	01 DEC	98.0	98.8	702	624	
1990-105B		20998	US	01 DEC	96.4	98.9	675	496	

OBJECTS IN ORBIT

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1990-105S		21073	US	01 DEC	98.3	98.8	720	636	
1990-105Z		21080	US	01 DEC	99.5	98.8	778	688	
1990-110A	COSMOS 2109	21006	USSR	08 DEC	675.7	64.9	19284	18973	
1990-110B	COSMOS 2110	21007	USSR	08 DEC	675.7	64.9	19227	19031	
1990-110C	COSMOS 2111	21008	USSR	08 DEC	675.7	64.9	19151	19107	
1990-110F		21011	USSR	08 DEC	675.2	64.9	19145	19087	
1990-110G		21012	USSR	08 DEC	340.1	65.2	18891	629	
1990-110H		21013	USSR	08 DEC	340.1	65.2	18914	607	
1990-111A	COSMOS 2112	21014	USSR	10 DEC	100.6	74.0	808	764	
1990-111B		21015	USSR	10 DEC	100.5	74.1	799	764	
1990-111C		21255	USSR	10 DEC	100.7	74.0	802	775	
1990-112A	RADUGA 26	21016	USSR	20 DEC	1436.2	0.4	35797	35779	
1990-112D		21019	USSR	20 DEC	1439.4	0.3	35983	35720	
1990-112F		21025	USSR	20 DEC	460.9	46.9	26529	245	
1990-114A	COSMOS 2114	21028	USSR	22 DEC	114.0	82.6	1411	1408	
1990-114B	COSMOS 2115	21029	USSR	22 DEC	113.9	82.6	1407	1405	
1990-114C	COSMOS 2116	21030	USSR	22 DEC	113.9	82.6	1408	1399	
1990-114D	COSMOS 2117	21031	USSR	22 DEC	113.8	82.6	1408	1393	
1990-114E	COSMOS 2118	21032	USSR	22 DEC	113.7	82.6	1408	1389	
1990-114F	COSMOS 2119	21033	USSR	22 DEC	113.7	82.6	1408	1382	
1990-114G		21034	USSR	22 DEC	114.6	82.6	1470	1407	
1990-116A		21038	USSR	27 DEC	1435.9	0.3	35791	35775	
1990-116D	RADUGA 1-2	21041	USSR	27 DEC	1470.2	0.3	36598	36305	
1990-116F		21045	USSR	27 DEC	321.5	46.6	18151	182	
1990-116G		21961	USSR	27 DEC	351.1	46.6	20023	194	

1991 LAUNCHES

1991-001A	NATO IVA	21047	NATO	08 JAN	1436.2	3.1	35790	35785	
1991-001B		21048	NATO	08 JAN	121.6	18.5	2721	787	
1991-001C		21049	NATO	08 JAN	635.9	25.9	35452	782	
1991-003A	ITALSAT-1	21055	ITALY	15 JAN	1436.1	0.1	35973	35598	
1991-003B	EUTELSAT	21056	ESA	15 JAN	1436.1	0.1	35813	35760	
1991-003C		21057	ESA	15 JAN	586.0	7.1	33359	275	
1991-003D		21058	ESA	15 JAN	464.2	6.9	26739	221	
1991-005A	COSMOS 2122	21065	USSR	18 JAN	92.7	65.0	418	400	
1991-005D		22299	USSR	18 JAN	90.9	64.9	331	312	
1991-006A	INFORMTR-1	21087	USSR	29 JAN	104.7	82.9	1007	953	
1991-006B		21088	USSR	29 JAN	104.6	82.9	993	956	
1991-007A	COSMOS 2123	21089	USSR	05 FEB	104.7	82.9	1003	961	
1991-007B		21090	USSR	05 FEB	104.6	82.9	993	961	
1991-007C		21091	USSR	05 FEB	104.6	82.9	995	953	
1991-009A	COSMOS 2125	21100	USSR	12 FEB	115.2	74.0	1471	1454	
1991-009J TO 009CJ			USSR	12 FEB	SEE NOTE		54*		
1991-009B	COSMOS 2126	21101	USSR	12 FEB	115.5	74.0	1495	1464	
1991-009C	COSMOS 2127	21102	USSR	12 FEB	115.3	74.0	1476	1464	
1991-009D	COSMOS 2128	21103	USSR	12 FEB	115.0	74.0	1466	1443	
1991-009E	COSMOS 2129	21104	USSR	12 FEB	114.8	74.0	1466	1428	
1991-009F	COSMOS 2130	21105	USSR	12 FEB	114.5	74.0	1467	1399	
1991-009G	COSMOS 2131	21106	USSR	12 FEB	114.4	74.0	1466	1385	
1991-009H	COSMOS 2132	21107	USSR	12 FEB	114.7	74.0	1466	1413	
1991-010A	COSMOS 2133	21111	USSR	14 FEB	1436.2	0.8	35798	35778	
1991-010D		21114	USSR	14 FEB	408.2	46.8	23485	216	
1991-010F		21129	USSR	14 FEB	1438.6	0.9	35909	35762	
1991-012A	MOLNIYA 1-80	21118	USSR	15 FEB	717.8	63.1	39038	1318	
1991-012D		21121	USSR	15 FEB	700.5	63.0	38196	1302	
1991-012E		21122	USSR	15 FEB	588.3	47.2	33287	471	
1991-013A	COSMOS 2135	21130	USSR	26 FEB	104.5	82.8	1017	920	

OBJECTS IN ORBIT			PERIOD			INCL- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	MINUTES				
1991-013B		21131	USSR	26 FEB	104.3	82.8	1009	918	
1991-014A	RADUGA 27	21132	USSR	28 FEB	1436.4	0.5	35804	35780	
1991-014D		21135	USSR	28 FEB	1392.3	0.5	35034	34813	
1991-015A	ASTRA 1-B	21139	LUXEM	02 MAR	1436.1	0.1	35802	35772	
1991-015B	MOP-2	21140	ESA	02 MAR	1436.3	0.1	35799	35782	
1991-015C		21141	ESA	02 MAR	547.1	6.9	31350	212	
1991-015D		21142	ESA	02 MAR	390.8	6.8	22394	260	
1991-015E		21904	ESA	02 MAR	1437.9	0.7	36476	35166	
1991-017A		21147	US	08 MAR	NO	ELEMENTS	AVAILABLE		
1991-017B		21148	US	08 MAR	NO	ELEMENTS	AVAILABLE		
1991-018A	INMARSAT-2	21149	UK	08 MAR	1436.2	2.2	35793	35782	
1991-018B		21150	US	08 MAR	99.5	25.0	1066	407	
1991-018C		21151	US	08 MAR	559.4	23.4	32003	216	
1991-019A	NADEZHDA	21152	USSR	12 MAR	104.8	82.9	1014	954	
1991-019B		21153	USSR	12 MAR	104.7	82.9	1005	953	
1991-021A	COSMOS 2137	21190	USSR	19 MAR	92.5	65.8	418	375	
1991-021B		21191	USSR	19 MAR	90.1	65.8	283	274	
1991-022A	MOLNIYA 3-40	21196	USSR	22 MAR	717.6	63.1	39012	1331	
1991-022D		21199	USSR	22 MAR	700.1	63.1	38133	1347	
1991-025A	COSMOS 2139	21216	USSR	04 APR	675.7	65.0	19156	19102	
1991-025B	COSMOS 2140	21217	USSR	04 APR	675.7	65.1	19162	19096	
1991-025C	COSMOS 2141	21218	USSR	04 APR	675.7	65.0	19152	19106	
1991-025E		21221	USSR	04 APR	675.5	65.0	19130	19117	
1991-025F		21220	USSR	04 APR	339.3	64.9	18988	485	
1991-025G	ANIK E-2	21226	USSR	04 APR	339.2	64.8	18991	477	
1991-026A		21222	CANADA	05 APR	1436.1	0.0	35796	35778	
1991-026B		21223	ESA	05 APR	635.1	3.7	35765	426	
1991-027B	GRO	21225	US	05 APR	92.0	28.5	376	370	
1991-028A	ASC 2 SPACENET 5	21227	US	13 APR	1436.2	0.0	35795	35780	
1991-028B		21228	US	13 APR	115.5	24.0	2397	560	
1991-028C		21229	US	13 APR	655.6	21.7	35828	1411	
1991-029A	COSMOS 2142	21230	USSR	16 APR	104.9	83.0	1016	959	
1991-029B		21231	USSR	16 APR	104.7	82.9	1006	953	
1991-030A	METEOR 3-4	21232	USSR	24 APR	109.3	82.5	1208	1180	
1991-030B		21233	USSR	24 APR	109.3	82.5	1210	1183	
1991-030C		21234	USSR	24 APR	109.3	82.5	1209	1183	
1991-031C		21262	US	28 APR	NO	ELEMENTS	AVAILABLE		
1991-032A	NOAA-12	21263	US	14 MAY	101.2	98.7	824	806	
1991-032B		21267	US	14 MAY	100.6	98.7	789	782	
1991-032C		21298	US	14 MAY	100.6	98.7	790	782	
1991-033A	COSMOS 2143	21299	USSR	16 MAY	113.9	82.6	1414	1396	
1991-033B	COSMOS 2144	21300	USSR	16 MAY	114.0	82.6	1414	1409	
1991-033C	COSMOS 2145	21301	USSR	16 MAY	114.0	82.6	1414	1402	
1991-033D	COSMOS 2146	21302	USSR	16 MAY	113.8	82.6	1413	1391	
1991-033E	COSMOS 2147	21303	USSR	16 MAY	113.7	82.6	1413	1386	
1991-033F	COSMOS 2148	21304	USSR	16 MAY	114.7	82.6	1414	1379	
1991-033G		21305	USSR	16 MAY	85.8	82.6	1470	1413	
1991-035C		21479	USSR	21 MAY	1436.1	0.0	90	65	
1991-037A	AURORA-II	21392	US	29 MAY	112.6	25.0	35792	35781	
1991-037B		21393	US	29 MAY	648.8	23.6	2282	406	
1991-037C		21394	US	29 MAY	97.5	82.5	35398	1494	
1991-039A	OKEAN 3	21397	USSR	04 JUN	97.6	82.5	655	624	
1991-039B		21398	USSR	04 JUN	97.3	82.5	659	627	
1991-039C		21842	USSR	04 JUN	100.7	82.5	644	613	
1991-041A	COSMOS 2150	21418	USSR	11 JUN	100.6	74.0	805	778	
1991-041B		21419	USSR	11 JUN	100.6	74.1	800	774	
1991-041C		21420	USSR	11 JUN	100.8	74.1	803	792	
1991-041D		21711	USSR	11 JUN	100.6	74.0	799	773	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1991-042A	COSMOS 2151	21422	USSR	97.5	82.5	653	628	
1991-042B		21423	USSR	97.6	82.5	655	630	
1991-043A	MOLNIYA 1-81	21426	USSR	717.8	63.3	39392	965	
1991-043D		21429	USSR	732.2	63.3	40106	959	
1991-045A	REX	21527	US	101.3	89.6	867	769	
1991-045B		21528	US	101.1	89.6	853	766	
1991-045C		21529	US	101.3	89.6	868	767	
1991-045D		21532	US	101.2	89.5	870	761	
1991-045E		21691	US	100.4	89.8	792	763	
1991-045F		21712	US	101.9	89.3	955	741	
1991-046A	GORIZONT 23	21533	USSR	1436.3	0.6	35850	35730	
1991-046D		21536	USSR	1426.7	0.3	35753	35452	
1991-046E		21538	USSR	471.1	46.9	27090	266	
1991-047A		21552	US	718.0	55.5	20302	20061	
1991-047D		21555	US	267.0	34.6	14532	180	
1991-050A	ERS-1	21574	ESA	100.5	98.6	782	780	
1991-050B	UOSAT-F	21575	UK	100.2	98.5	772	760	
1991-050C	ORBCOMM-X	21576	US	100.2	98.5	771	765	
1991-050D	TUBSAT	21577	FRG	100.2	98.5	772	762	
1991-050E	SARA	21578	FRANCE	100.1	98.5	765	757	
1991-053A		21610	ESA	100.3	98.4	776	771	
1991-053D	MOLNIYA 1-82	21630	USSR	717.7	64.0	39777	571	
1991-054B		21633	USSR	733.1	64.1	40551	558	
1991-054C	TDRS-5	21639	US	1436.1	0.0	35793	35779	
1991-054D		21640	US	619.4	26.3	35077	304	
1991-054E		21641	US	1434.5	1.4	35896	35613	
1991-055A	INTELSAT 6 F-5	21642	US	618.8	27.0	35079	271	
1991-055B		21653	ITSO	1436.2	0.0	35791	35785	
1991-055B		21654	ESA	597.3	7.3	33960	271	
1991-056A	METEOR 3-5	21655	USSR	109.3	82.6	1205	1183	
1991-056B		21656	USSR	109.3	82.6	1204	1183	
1991-059A	COSMOS 2154	21666	USSR	104.8	82.9	1005	969	
1991-059B		21667	USSR	104.7	82.9	1000	962	
1991-060A	BS-3B	21668	JAPAN	1436.2	0.0	35813	35764	
1991-061A		21688	INDIA	103.1	99.1	918	889	
1991-061B	SOLAR-A	21689	INDIA	102.8	99.2	914	864	
1991-062A		21694	JAPAN	97.5	31.3	761	519	
1991-062B		21695	JAPAN	97.5	31.3	763	516	
1991-062C		21696	JAPAN	94.5	31.3	541	449	
1991-062D		21697	JAPAN	94.7	31.3	551	451	
1991-062E		21698	JAPAN	94.3	31.3	530	440	
1991-062F		21699	JAPAN	95.2	31.3	585	465	
1991-062G		21786	JAPAN	94.0	31.2	537	401	
1991-062H		21802	JAPAN	97.5	31.5	717	557	
1991-063B	UARS	21701	US	96.2	57.0	580	573	
1991-064A	COSMOS 2155	21702	USSR	1437.7	0.2	35838	35795	
1991-064B		21703	USSR	1441.7	0.2	35929	35861	
1991-065A	MOLNIYA 3-41	21706	USSR	717.7	63.0	39255	1096	
1991-065D		21709	USSR	733.3	63.0	39991	1124	
1991-067A	ANIK E1	21726	CANADA	1436.1	0.1	35805	35768	
1991-067B		21727	ESA	637.3	4.5	35871	435	
1991-068A	COSMOS 2157	21728	USSR	114.0	82.6	1411	1404	
1991-068B	COSMOS 2158	21729	USSR	113.9	82.6	1406	1402	
1991-068C	COSMOS 2159	21730	USSR	113.7	82.6	1406	1386	
1991-068D	COSMOS 2160	21731	USSR	113.8	82.6	1407	1396	
1991-068E	COSMOS 2161	21732	USSR	113.8	82.6	1407	1392	
1991-068F	COSMOS 2162	21733	USSR	114.0	82.6	1417	1405	
1991-068G		21734	USSR	114.7	82.6	1477	1406	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1991-074A	GORIZONT 24	21759	USSR	23 OCT	1436.2	0.5	35790	35788		
1991-074D		21762	USSR	23 OCT	1444.3	0.5	36183	35711		
1991-075A	INTELSAT F1 V1	21765	ESA	29 OCT	1436.2	0.0	35795	35780		
1991-075B		21766	ESA	29 OCT	613.1	7.6	34750	304		
1991-076A	USA 72	21775	US	08 NOV	NO	ELEMENTS AVAILABLE				
1991-076B		21776	US	08 NOV	NO	ELEMENTS AVAILABLE				
1991-076C		21799	US	08 NOV	NO	ELEMENTS AVAILABLE				
1991-076D	USA 76	21808	US	08 NOV	NO	ELEMENTS AVAILABLE				
1991-076E	USA 77	21809	US	08 NOV	NO	ELEMENTS AVAILABLE				
1991-076F		21956	US	08 NOV	NO	ELEMENTS AVAILABLE				
1991-077A	COSMOS 2165	21779	USSR	12 NOV	113.8	82.6	1410	1391		
1991-077B	COSMOS 2166	21780	USSR	12 NOV	113.9	82.6	1410	1403		
1991-077C	COSMOS 2167	21781	USSR	12 NOV	113.9	82.6	1410	1397		
1991-077D	COSMOS 2168	21782	USSR	12 NOV	113.8	82.6	1410	1387		
1991-077E	COSMOS 2169	21783	USSR	12 NOV	113.7	82.6	1410	1380		
1991-077F	COSMOS 2170	21784	USSR	12 NOV	114.0	82.6	1410	1410		
1991-077G		21785	USSR	12 NOV	114.7	82.6	1471	1410		
1991-079A	COSMOS 2172	21789	USSR	22 NOV	1436.2	0.5	35794	35781		
1991-079D		21792	USSR	22 NOV	1460.2	0.5	36280	36232		
1991-079F		21794	USSR	22 NOV	350.8	46.5	20036	158		
1991-080B	USA 75	21805	US	25 NOV	NO	ELEMENTS AVAILABLE				
1991-080C		21806	US	25 NOV	NO	ELEMENTS AVAILABLE				
1991-080D		21807	US	25 NOV	NO	ELEMENTS AVAILABLE				
1991-081A	COSMOS 2173	21796	USSR	26 NOV	104.7	83.0	1015	944		
1991-081B		21797	USSR	26 NOV	104.6	83.0	1003	944		
1991-082A	USA 73	21798	US	28 NOV	101.8	98.9	853	835		
1991-082B		21800	US	28 NOV	101.5	98.9	832	822		
1991-082C		21801	US	28 NOV	101.5	98.9	835	826		
1991-082D		21825	US	28 NOV	101.6	98.9	846	819		
1991-082E		21836	US	28 NOV	101.6	99.0	842	825		
1991-083A	EUTELSAT II	21803	ESA	07 DEC	1435.7	0.2	36087	35469		
1991-083B		21804	ESA	07 DEC	753.6	16.8	41188	921		
1991-084A	TELECOM 2A	21813	FRANCE	16 DEC	1436.1	0.0	35799	35775		
1991-084B	INMARSAT 2 F-3	21814	ITSO	16 DEC	1436.1	1.9	35798	35774		
1991-084C		21815	ESA	16 DEC	643.4	3.8	36206	410		
1991-084D		21818	ESA	16 DEC	621.8	4.0	35166	342		
1991-086A	INTERCOSMOS 25	21819	USSR	18 DEC	121.4	82.6	3055	435		
1991-086B		21820	USSR	18 DEC	121.5	82.6	3061	434		
1991-086C		21826	USSR	18 DEC	120.4	82.6	2967	433		
1991-086D		21827	USSR	18 DEC	120.6	82.5	2980	433		
1991-086E	MAGION 3	21835	CZECH	18 DEC	121.4	82.6	3054	435		
1991-086F		21905	USSR	18 DEC	121.3	82.6	3033	440		
1991-087A	RADUGA 28	21821	USSR	19 DEC	1436.0	0.6	35790	35778		
1991-087D		21824	USSR	19 DEC	1469.1	0.6	36495	36366		
1991-087F		21829	USSR	19 DEC	453.2	46.5	26186	148		
1991-088A	PRC 34	21833	PRC	28 DEC	632.8	31.5	33963	2112		
1991-088B		21834	PRC	28 DEC	98.0	31.0	1119	202		
1992 LAUNCHES										
1992-003A	COSMOS 2176	21847	USSR	24 JAN	717.7	64.0	39392	958		
1992-003D		21850	USSR	24 JAN	706.1	64.1	38845	932		
1992-005A	COSMOS 2177	21853	USSR	29 JAN	675.7	64.8	19148	19110		
1992-005B	COSMOS 2178	21854	USSR	31 JAN	675.7	64.8	19170	19088		
1992-005C	COSMOS 2179	21855	USSR	29 JAN	675.7	64.9	19148	19110		
1992-005F		21858	USSR	29 JAN	675.3	64.8	19145	19094		
1992-005G		21862	USSR	29 JAN	340.1	64.8	19113	410		
1992-005H		21863	USSR	29 JAN	340.1	65.0	19120	401		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1992-006A	USA 78	21873	US	10 FEB	NO ELEMENTS AVAILABLE					
1992-006B		21874	US	10 FEB	NO ELEMENTS AVAILABLE					
1992-006C		21877	US	10 FEB	NO ELEMENTS AVAILABLE					
1992-007A	JERS-1	21867	JAPAN	11 FEB	96.0	97.7	570		566	
1992-007B		21868	JAPAN	11 FEB	93.7	97.7	500		414	
1992-008A		21875	USSR	17 FEB	104.8	82.9	1013		957	
1992-008B	COSMOS 2180	21876	USSR	17 FEB	104.7	82.9	1005		957	
1992-009A		21890	US	23 FEB	718.0	54.5	20336		20029	
1992-009B		21891	US	23 FEB	98.3	20.0	723		631	
1992-009C		21892	US	23 FEB	319.0	34.7	17975		201	
1992-010A	SUPERBIRD B1	21893	JAPAN	26 FEB	1436.1	0.0	35807		35768	
1992-010B	ARABSAT 1C	21894	SA	26 FEB	1436.1	0.0	35852		35722	
1992-010C		21895	ESA	26 FEB	509.8	6.5	29337		187	
1992-011A	MOLNIYA 1-83	21897	USSR	04 MAR	717.8	62.9	39513		841	
1992-011D		21900	USSR	04 MAR	698.4	62.9	38560		832	
1992-012A		21902	USSR	09 MAR	104.9	82.9	1010		969	
1992-012B	COSMOS 2181	21903	USSR	09 MAR	104.8	82.9	1005		959	
1992-013A		21906	US	14 MAR	1436.1	0.0	35791		35783	
1992-013B		21907	US	14 MAR	638.5	19.4	35241		1125	
1992-017A		21922	USSR	02 APR	1436.2	0.8	35801		35774	
1992-017D		21925	USSR	02 APR	1424.6	0.8	35646		35474	
1992-018A		21928	USSR	08 APR	89.5	64.8	271		232	
1992-019A	COSMOS 2183	21930	US	10 APR	718.0	55.3	20367		19997	
1992-019B	USA 80	21931	US	10 APR	97.2	21.2	712		535	
1992-019C		21932	US	10 APR	323.3	34.5	18250		202	
1992-020A	COSMOS 2184	21937	USSR	15 APR	104.9	82.9	1011		963	
1992-020B		21938	USSR	15 APR	104.7	82.9	1002		960	
1992-021A	TELECOM 2B	21939	FRANCE	15 APR	1436.1	0.0	35804		35770	
1992-021B	INMARSAT 2 F4	21940	IM	15 APR	1436.2	2.2	35921		35773	
1992-021C		21941	ESA	15 APR	634.8	3.7	35921		255	
1992-021D		21942	ESA	15 APR	622.9	3.7	35274		292	
1992-023A	USA 81	21949	US	25 APR	NO ELEMENTS AVAILABLE					
1992-023B		21950	US	25 APR	NO ELEMENTS AVAILABLE					
1992-027A	PALAPA-B4	21964	INDO	14 MAY	1436.3	0.0	35795		35783	
1992-027B		21965	US	14 MAY	119.3	19.7	2790		508	
1992-027C		21966	US	14 MAY	701.4	23.0	36700		2845	
1992-030A	COSMOS 2187	21976	USSR	03 JUN	114.6	74.0	1478		1399	
1992-030B	COSMOS 2188	21977	USSR	03 JUN	114.5	74.0	1476		1386	
1992-030C	COSMOS 2189	21978	USSR	03 JUN	114.8	74.0	1477		1414	
1992-030D	COSMOS 2190	21979	USSR	03 JUN	115.0	74.0	1478		1428	
1992-030E	COSMOS 2191	21980	USSR	03 JUN	115.7	74.0	1500		1470	
1992-030F	COSMOS 2192	21981	USSR	03 JUN	115.5	74.0	1484		1469	
1992-030G	COSMOS 2193	21982	USSR	03 JUN	115.1	74.0	1478		1444	
1992-030H	COSMOS 2194	21983	USSR	03 JUN	115.3	74.0	1482		1455	
1992-030J		21984	USSR	03 JUN	117.8	74.0	1680		1481	
1992-031A	EUVE	21987	US	07 JUN	95.1	28.4	529		514	
1992-032A	INTELSAT K	21989	ITSO	10 JUN	1436.2	0.0	35793		35782	
1992-032B		21990	US	10 JUN	612.3	26.8	34810		206	
1992-036A	COSMOS 2195	22006	USSR	01 JUL	104.7	82.9	1009		953	
1992-036B		22007	USSR	01 JUL	104.6	82.9	999		947	
1992-037A	USA 82	22009	US	02 JUL	NO ELEMENTS AVAILABLE					
1992-037B		22010	US	02 JUL	NO ELEMENTS AVAILABLE					
1992-037C		22011	US	02 JUL	NO ELEMENTS AVAILABLE					
1992-038A	SAMPEX	22012	US	03 JUL	96.6	81.7	679		509	
1992-038B		22013	US	03 JUL	96.6	81.7	680		510	
1992-039A		22014	US	07 JUL	718.0	55.0	20396		19968	
1992-039B	USA 83	22015	US	07 JUL	97.7	20.7	731		567	
1992-039C		22016	US	07 JUL	325.7	34.7	18417		190	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT			PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH						
1992-040A	COSMOS 2196	22017	USSR	08 JUL	718.0	63.6	39633	732		
1992-040D		22020	USSR	08 JUL	705.7	63.4	39023	733		
1992-041A	INSAT-2A	22027	INDIA	09 JUL	1436.1	0.1	35833	35741		
1992-041B	EUTELSAT 2 F4	22028	FRANCE	09 JUL	1436.0	0.0	35816	35754		
1992-041C		22032	ESA	09 JUL	631.6	7.5	35749	261		
1992-041D		22033	ESA	09 JUL	602.2	7.3	34249	237		
1992-042A	COSMOS 2197	22034	USSR	13 JUL	113.9	82.6	1413	1395		
1992-042B	COSMOS 2198	22035	USSR	12 JUL	114.0	82.6	1413	1407		
1992-042C	COSMOS 2199	22036	USSR	13 JUL	114.2	82.6	1423	1410		
1992-042D	COSMOS 2200	22037	USSR	13 JUL	114.0	82.6	1413	1402		
1992-042E	COSMOS 2201	22038	USSR	13 JUL	114.1	82.6	1418	1409		
1992-042F	COSMOS 2202	22039	USSR	13 JUL	114.0	82.6	1415	1405		
1992-042G		22040	USSR	13 JUL	114.7	82.6	1471	1408		
1992-043A	GORIZONT 26	22041	USSR	14 JUL	1436.2	1.1	35808	35767		
1992-043D		22044	USSR	14 JUL	1471.9	1.1	36600	36370		
1992-043E		22047	USSR	14 JUL	614.4	46.6	34976	147		
1992-043F		22048	USSR	14 JUL	643.2	46.7	36406	204		
1992-044A	GEOTAIL	22049	JAPAN	24 JUL	4750.6	22.4	508542	41363		
1992-044B		22050	US	24 JUL	95.6	27.5	885	208		
1992-044C		22051	US	24 JUL	3368.2	28.7	360227	184		
1992-046A	SOYUZ TM-15	22054	USSR	27 JUL	92.5	51.6	395	394		
1992-047A	COSMOS 2204	22056	USSR	30 JUL	675.7	64.9	19148	19110		
1992-047B	COSMOS 2205	22057	USSR	30 JUL	675.7	64.9	19148	19110		
1992-047C	COSMOS 2206	22058	USSR	30 JUL	675.7	64.9	19167	19091		
1992-047E		22061	USSR	30 JUL	87.8	64.8	183	166		
1992-047F		22066	USSR	30 JUL	675.0	64.9	19133	19088		
1992-047G		22067	USSR	30 JUL	340.2	64.9	19116	409		
1992-047H		22067	USSR	30 JUL	340.1	64.8	19116	408		
1992-049B	EURECA-1	22065	ESA	31 JUL	94.6	28.5	503	499		
1992-050A	MOLNIYA 1-84	22068	USSR	06 AUG	717.7	62.9	39520	830		
1992-050D		22071	USSR	06 AUG	733.4	62.9	40293	826		
1992-052A	TOPEX	22076	US	10 AUG	112.4	66.0	1342	1330		
1992-052B	KITSAT A	22077	KOREA	10 AUG	111.9	66.1	1325	1304		
1992-052C	SSO/T	22078	FRANCE	10 AUG	111.9	66.1	1324	1303		
1992-052D		22079	FRANCE	10 AUG	112.7	66.0	1396	1302		
1992-053A	COSMOS 2208	22080	USSR	12 AUG	100.8	74.0	803	785		
1992-053B		22081	USSR	12 AUG	100.6	74.0	803	775		
1992-054A	AUSSAT B1	22087	AUSTRL	13 AUG	1436.2	0.0	35792	35783		
1992-054C		22089	AUSTRL	13 AUG	664.3	23.0	37265	417		
1992-057A	SATCOM-C4	22096	US	31 AUG	1436.1	0.0	35791	35782		
1992-057B		22097	US	31 AUG	132.0	25.2	2643	1772		
1992-057C		22098	US	31 AUG	662.0	20.1	35757	1810		
1992-058A	USA 84	22108	US	09 SEP	718.0	54.5	20457	19908		
1992-058B		22109	US	09 SEP	98.7	19.8	728	663		
1992-058C		22110	US	09 SEP	342.8	34.7	19491	201		
1992-059A	COSMOS 2209	22112	USSR	10 SEP	1436.1	1.1	35808	35765		
1992-059D		22115	USSR	10 SEP	1442.8	1.1	35963	35872		
1992-059E		22125	USSR	10 SEP	633.4	47.1	35942	162		
1992-059F		22126	USSR	10 SEP	647.0	47.1	36594	210		
1992-060A	HISPASAT 1A	22126	SPAIN	10 SEP	1436.2	0.0	35794	35783		
1992-060B	SATCOM C3	22117	US	10 SEP	1436.1	0.1	35788	35785		
1992-060C		22118	SPAIN	10 SEP	625.2	6.8	35472	213		
1992-060D		22119	SPAIN	10 SEP	613.4	6.9	34841	229		
1992-063A	MARS	22136	US	25 SEP	MARS ORBIT					
1992-063C		22138	US	25 SEP	MARS ORBIT					
1992-064A	FREJA	22161	SWEDEN	06 OCT	108.9	63.0	1759	596		
1992-066A	DFS 3	22175	FRG	12 OCT	1436.6	0.0	35797	35793		
1992-066B		22176	US	12 OCT	132.7	25.1	3075	1408		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	OBJECTS IN ORBIT				PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
			SOURCE	LAUNCH							
1992-066C	MOLNIYA 3-42	22177	US	12 OCT	658.5	19.7	35851	1536			
1992-067A		22178	USSR	14 OCT	NO	CURRENT ELEMENTS					
1992-067D		22181	USSR	14 OCT	733.6	62.8	40576	557			
1992-068A		22182	USSR	20 OCT	113.9	82.6	1410	1398			
1992-068B		22183	USSR	20 OCT	114.0	82.6	1410	1406			
1992-068C		22184	USSR	20 OCT	114.0	82.6	1411	1409			
1992-068D	COSMOS 2215	22185	USSR	20 OCT	114.1	82.6	1420	1409			
1992-068E		22186	USSR	20 OCT	114.2	82.6	1426	1409			
1992-068F		22187	USSR	20 OCT	114.0	82.6	1413	1408			
1992-068G		22188	USSR	20 OCT	114.7	82.6	1477	1405			
1992-069A		22189	USSR	21 OCT	717.7	63.0	39622	727			
1992-069D		22192	USSR	21 OCT	709.9	63.2	39226	738			
1992-070B	LAGEOS II	22195	ITALY	22 OCT	222.5	52.7	5950	5616			
1992-070E		22196	US	22 OCT	152.8	41.2	5888	294			
1992-070F		22197	US	22 OCT	222.4	52.7	5949	5615			
1992-071A		22198	USSR	27 OCT	92.5	51.6	395	394			
1992-072A		22203	USSR	28 OCT	1436.2	0.0	35798	35779			
1992-072B		22205	US	28 OCT	457.8	7.1	26420	176			
1992-073A	COSMOS 2218	22206	FRANCE	29 OCT	104.9	82.9	1013	963			
1992-073B		22207	USSR	29 OCT	104.7	82.9	1005	956			
1992-074A		22208	USSR	30 OCT	1436.0	1.3	35791	35780			
1992-074D		22210	USSR	30 OCT	1423.1	2.3	35583	35479			
1992-074E		22213	USSR	30 OCT	628.4	47.2	35583	266			
1992-074F		22215	USSR	30 OCT	624.9	47.2	35456	214			
1992-076A	COSMOS 2219	22216	USSR	17 NOV	101.9	71.0	854	845			
1992-076B		22219	USSR	17 NOV	101.7	71.0	850	829			
1992-076C		22220	USSR	17 NOV	104.7	71.0	1117	842			
1992-076D		22221	USSR	17 NOV	104.7	71.0	1166	843			
1992-076E		22222	USSR	17 NOV	105.2	71.0	1130	841			
1992-076F		22223	USSR	17 NOV	104.8	71.0	1133	843			
1992-077A	COSMOS 2220	22224	USSR	17 NOV	104.9	71.0	1133	843			
1992-077A		22226	USSR	20 NOV	89.7	67.1	322	195			
1992-078A		22229	US	21 NOV	91.2	96.7	378	292			
1992-078B		22230	US	21 NOV	92.0	96.8	425	315			
1992-079A		22231	US	22 NOV	NO	CURRENT ELEMENTS					
1992-079B		22232	US	22 NOV	97.3	21.2	724	532			
1992-079C	COSMOS 2221	22233	US	22 NOV	349.2	34.7	19919	180			
1992-080A		22236	USSR	24 NOV	97.7	82.5	662	631			
1992-080B		22237	USSR	24 NOV	97.7	82.5	662	630			
1992-081A		22238	USSR	25 NOV	718.0	62.9	39705	661			
1992-081D		22241	USSR	25 NOV	707.8	63.1	39205	654			
1992-082A		22245	USSR	27 NOV	1471.7	1.5	36509	36452			
1992-082D	GORIZONT 27	22248	USSR	27 NOV	1469.1	1.4	36483	36374			
1992-082E		22249	USSR	27 NOV	645.9	47.2	36482	262			
1992-082F		22250	USSR	27 NOV	647.6	47.2	36514	319			
1992-083A		22251	US	28 NOV	NO	ELEMENTS AVAILABLE					
1992-083B		22252	US	28 NOV	NO	ELEMENTS AVAILABLE					
1992-084A		22253	JAPAN	01 DEC	1436.2	0.1	35800	35775			
1992-084B	MOLNIYA 3-43	22254	FRG	01 DEC	631.7	6.9	35805	214			
1992-085A		22255	USSR	02 DEC	717.7	62.9	39947	403			
1992-085D		22258	USSR	02 DEC	697.8	62.9	38956	406			
1992-087A		22260	USSR	09 DEC	89.8	64.7	290	238			
1992-088A		22269	USSR	17 DEC	1448.3	2.3	36070	35977			
1992-088D		22272	USSR	17 DEC	1439.4	2.3	35889	35813			
1992-088E	USA 87	22273	USSR	17 DEC	635.8	47.4	35881	346			
1992-088F		22274	USSR	17 DEC	634.7	47.3	35883	289			
1992-089A		22275	US	18 DEC	718.0	54.8	20325	20038			
1992-089A		22276	US	18 DEC	98.3	20.3	739	615			
1992-089B											

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1992-089C		22277	US	18 DEC	354.5	34.9	20240	185	
1992-090A	AUSSAT B2	22278	AUSTRA	21 DEC	97.1	28.1	1030	212	
1992-090B		22279	PRC	21 DEC	96.8	28.1	1002	211	
1992-091A	COSMOS 2225	22280	USSR	22 DEC	89.6	64.9	299	207	
1992-092A	COSMOS 2226	22282	USSR	22 DEC	116.0	73.6	1523	1476	
1992-092B		22283	USSR	22 DEC	115.3	73.6	1516	1423	
1992-093A		22284	USSR	25 DEC	101.9	71.0	851	846	
1992-093B	COSMOS 2227	22285	USSR	25 DEC	101.8	71.0	846	841	
1992-093C		22288	USSR	25 DEC	101.8	71.0	843	840	
1992-093D		22289	USSR	25 DEC	100.8	70.8	846	750	
1992-093E		22290	USSR	25 DEC	104.9	71.0	1133	843	
1992-093F		22291	USSR	25 DEC	105.1	71.0	1153	843	
1992-093G		22292	USSR	25 DEC	105.2	71.0	1159	845	
1992-093H		22293	USSR	25 DEC	104.9	71.1	1136	843	
1992-093J		22294	USSR	25 DEC	102.1	71.1	934	786	
1992-093K		22295	USSR	25 DEC	102.6	71.0	952	806	
1992-093L		22296	USSR	25 DEC	103.0	71.1	946	855	
1992-093M		22297	USSR	25 DEC	102.4	71.1	952	790	
1992-093N		22298	USSR	25 DEC	103.5	70.8	1005	840	
1992-094A	COSMOS 2228	22286	USSR	25 DEC	97.7	82.5	665	630	
1992-094B		22287	USSR	25 DEC	97.7	82.5	664	629	
1992-095A	COSMOS 2229	22300	USSR	29 DEC	90.3	62.8	364	215	
1992-095B		22301	USSR	29 DEC	89.7	62.8	316	204	

FOOTNOTES

- 1* 297 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1961 OMICRON 1 AND 1961 OMICRON 2. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 2* 153 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1963 014A, 1963 014B, AND 1963 014C. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 4* 29 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1964 006A. OBJECTS IN THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 5* 51 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1965 027A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 6* DEBRIS DISCOVERED IN ORBIT WHICH HAS NOT BEEN IDENTIFIED WITH ANY LAUNCH OR COUNTRY OF ORIGIN.
- 7* 473 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1965 082A. OBJECTS IN THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 8* 111 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1968 091A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 9* A MANNED SPACECRAFT WHICH SUCCESSFULLY LANDED ON THE MOON AND RETURNED TO SELENOCENTRIC ORBIT.
- 10* 139 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1968 097A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 11* 270 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1969 082A, 1969 082B, 1969 082C, 1969 082D, 1969 082E, 1969 082F, 1969 082G, 1969 082H, 1969 082J, AND 1969 082K. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 12* 373 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1970 025A AND 1970 025B. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 13* 103 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1970 089A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 14* DEBRIS DISCOVERED IN ORBIT WHICH HAS NOT BEEN IDENTIFIED WITH ANY LAUNCH.
- 15* 46 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1970 091A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 16* 120 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1971 015A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 17* 229 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1972 058A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 18* 198 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1973 086A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.

FOOTNOTES

SATELLITE SITUATION REPORT.

- 19* 150 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1974 089A, 1974 089B, AND 1974 089C. 31 OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 20* 208 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1975 004A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 21* 72 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1976 067A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 22* 159 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1976 077A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 25* 79 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1976 126A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 26* 172 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1977 065A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 27* 70 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1977 121A. THE OBJECT OF THIS SERIES THAT HAS DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 28* 210 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1978 026A AND 1978 026B. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 29* 402 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1978 100A. 1978 100B, AND 1978 100C. OBJECTS IN THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 34* 307 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1981 053A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 35* DEPLOYED FROM SPACE TRANSPORTATION VEHICLE.
- 37* 60 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1982 055A. OBJECTS IN THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 45* 499 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1986 019A. OBJECTS IN THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 49* 112 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1987 020A. OBJECTS IN THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 52* 79 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1990 081A. OBJECTS IN THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.

FOOTNOTES

- 54* 73 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1991 009A. OBJECTS IN THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 56* 235 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1975 052A. OBJECTS IN THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 57* 16 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1990 065A. OBJECTS IN THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 59* 43 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1967 001A. OBJECTS IN THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-THE-YEAR SUMMARY SATELLITE SITUATION REPORT.
- 60* 190 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1986-017A. OBJECTS OF THIS SERIES THAT HAVE DECAYED CAN BE FOUND IN THE DECAYED OBJECTS LIST IN THE DECEMBER 31 END-OF-YEAR SUMMARY SATELLITE SITUATION REPORT.

INITIAL ELEMENTS OF THE OBJECTS WHICH WERE LAUNCHED/CATALOGED AND DECAYED WITHIN THE REPORTING PERIOD

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1992 LAUNCHES									
1992-050B		22069	USSR	06 AUG	91.1	62.8	453	206	
1992-050C		22070	USSR	06 AUG	86.1	62.8	105	84	
1992-050E		22095	USSR	06 AUG	90.2	62.8	378	193	
1992-051A	PRC 35	22072	PRC	09 AUG	89.3	63.1	315	166	
1992-051B		22073	PRC	09 AUG	87.9	63.0	217	148	
1992-051C		22074	PRC	09 AUG	88.7	63.0	320	117	
1992-051D		22075	PRC	09 AUG	89.0	63.1	325	142	
1992-054B		22088	PRC	13 AUG	89.0	28.0	288	165	
1992-055A	PROGRESS M-14	22090	USSR	15 AUG	92.7	51.6	406	402	
1992-055B		22091	USSR	15 AUG	86.0	51.6	96	78	
1992-055C		22092	USSR	15 AUG	86.2	51.6	104	86	
1992-056A	RESURS F-16	22093	USSR	19 AUG	89.0	82.6	230	219	
1992-056B		22094	USSR	19 AUG	84.7	82.5	60	18	
1992-056C	PION 1	22099	USSR	19 AUG	89.0	82.6	228	217	
1992-056D	PION 2	22100	USSR	19 AUG	89.0	82.6	229	217	
1992-056E		22102	USSR	19 AUG	87.6	82.5	179	152	
1992-056F		22103	USSR	19 AUG	86.0	82.5	99	75	
1992-056G		22104	USSR	19 AUG	89.3	82.5	295	211	
1992-056H		22105	USSR	19 AUG	88.1	82.4	207	174	
1992-059C		22113	USSR	10 SEP	86.3	51.6	111	93	
1992-061A	STS 47	22114	USSR	10 SEP	85.7	51.6	81	63	
1992-062A	COSMOS 2210	22120	US	12 SEP	90.4	56.9	302	289	
1992-062B		22133	USSR	22 SEP	89.3	67.1	305	178	
1992-063B		22134	USSR	22 SEP	89.0	67.2	298	154	
1992-064B	PRC 36	22137	US	25 SEP	85.6	29.3	105	30	
1992-064C		22162	PRC	06 OCT	89.1	63.0	259	202	
1992-064D		22163	PRC	06 OCT	85.0	62.9	50	28	
1992-064E		22164	PRC	06 OCT	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE		
1992-064F		22165	PRC	06 OCT	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE		
1992-064G		22166	PRC	06 OCT	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE		
1992-064H		22167	PRC	06 OCT	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE		
1992-064J		22168	PRC	06 OCT	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE		
1992-064K		22169	PRC	06 OCT	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE		
1992-065A	FOTON 5	22170	PRC	06 OCT	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE	INITIAL ELEMENTS NOT AVAILABLE		
1992-065B		22173	USSR	08 OCT	90.1	62.8	340	215	
1992-065C		22174	USSR	08 OCT	87.7	62.8	171	146	
1992-065D		22199	USSR	08 OCT	89.6	62.8	306	146	
1992-065E		22200	USSR	08 OCT	88.0	62.8	193	206	
1992-065F		22201	USSR	08 OCT	88.9	62.7	272	159	
1992-067B		22202	USSR	08 OCT	89.4	62.8	264	190	
1992-067C		22179	USSR	14 OCT	89.6	62.8	314	227	
1992-067E		22180	USSR	14 OCT	89.1	62.8	293	197	
1992-069B		22193	USSR	14 OCT	90.2	62.8	372	162	
1992-069C		22190	USSR	21 OCT	91.7	62.8	511	194	
1992-070A	STS 52	22191	USSR	21 OCT	90.4	62.8	416	207	
1992-070C	CTA	22194	US	22 OCT	90.6	28.5	307	167	
1992-071B		22204	CANADA	22 OCT	88.4	28.4	243	304	
1992-074B		22204	USSR	27 OCT	85.9	51.6	92	164	
1992-074C		22211	USSR	30 OCT	85.6	51.6	78	74	
1992-075A	RESURS 500	22212	USSR	30 OCT	96.7	81.6	703	61	
1992-075B		22217	USSR	15 NOV	89.4	81.6	304	517	
1992-075C		22218	USSR	15 NOV	85.8	82.5	102	196	
1992-075D		22234	USSR	15 NOV	84.6	82.5	39	61	
1992-077B		22235	USSR	15 NOV	87.7	82.5	194	17	
		22227	USSR	20 NOV	87.2	67.1	172	156	

INITIAL ELEMENTS OF THE OBJECTS WHICH WERE LAUNCHED/CATALOGED AND DECAYED WITHIN THE REPORTING PERIOD

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	PERIOD MINUTES	INCLI- NATION	APOGEE (KM)	PERIGEE (KM)	NOTES
1992-081B		22239	USSR	25 NOV	91.3	62.8	470	203	
1992-081C		22240	USSR	25 NOV	89.7	62.8	356	162	
1992-081E		22242	USSR	25 NOV	90.4	62.8	403	182	
1992-081F		22243	USSR	25 NOV	88.3	62.7	215	158	
1992-081G		22244	USSR	25 NOV	87.4	62.8	212	82	
1992-082B		22246	USSR	27 NOV	88.2	51.6	210	190	
1992-082C		22247	USSR	27 NOV	88.3	51.6	218	181	
1992-082C		22256	USSR	02 DEC	89.4	62.8	295	191	
1992-085C		22257	USSR	02 DEC	88.8	62.8	274	157	
1992-085E		22262	USSR	02 DEC	86.0	62.8	98	77	
1992-086A	STS 53	22259	US	02 DEC	90.7	56.9	322	301	
1992-087B		22261	USSR	09 DEC	88.8	64.7	257	172	
1992-088B		22270	USSR	17 DEC	86.1	51.6	103	86	
1992-088C		22271	USSR	17 DEC	85.3	51.6	61	43	
1992-091B		22281	USSR	22 DEC	89.0	64.9	288	165	

OBJECTS DECAYED WITHIN THE REPORTING PERIOD

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
A OMICRON 3		378	US	23 AUG	12 AUG 92	
1963-047B		696	US	27 NOV	20 MAR 92	
1965-082LS		3355	US	15 OCT	03 NOV 92	
1965-098K		20833	US	29 NOV	11 FEB 92	
1966-070B		2404	US	04 AUG	03 JAN 92	
1967-001V		5990	US	11 JAN	14 OCT 92	
1967-001Z		13905	US	11 JAN	20 SEP 92	
1967-048C		17723	US	18 MAY	03 FEB 92	
1968-019B		3151	USSR	14 MAR	05 NOV 92	
1968-091AG		3681	USSR	20 OCT	15 JUN 92	
1968-091DC		17667	USSR	20 OCT	14 JUN 92	
1968-097EH		17668	USSR	01 NOV	11 FEB 92	
1968-097EV		21749	USSR	01 NOV	29 MAR 92	
1969-082AT		4175	US	30 SEP	14 DEC 92	
1969-082EN		4441	US	30 SEP	02 FEB 92	
1970-025BS		4704	US	08 APR	27 JAN 92	
1970-025KM		5348	US	08 APR	04 MAR 92	
1970-025L		4608	US	08 APR	26 JAN 92	
1970-025NU		14468	US	08 APR	31 JAN 92	
1970-025PB		17169	US	08 APR	28 FEB 92	
1970-025PM		18419	US	08 APR	20 JAN 92	
1970-089BG		5242	USSR	23 OCT	17 NOV 92	
1970-089BT		5338	USSR	02 DEC	23 APR 92	
1970-102C		4840	USSR	25 FEB	12 FEB 92	
1971-015BK		5336	USSR	25 FEB	12 FEB 92	
1971-015CC		5760	USSR	25 FEB	23 DEC 92	
1971-015CT		15342	USSR	25 FEB	18 APR 92	
1971-015V		5095	USSR	15 NOV	10 JAN 92	
1971-096A	EXPLORER 45	5598	US	15 NOV	27 JUN 92	
1971-096C		21859	US	23 JUL	10 OCT 92	
1972-058BF		7889	US	23 JUL	17 APR 92	
1972-058CD		7935	US	23 JUL	16 MAR 92	
1972-058FD		8497	US	23 JUL	21 FEB 92	
1972-058JF		14875	US	23 JUL	06 FEB 92	
1972-058JH		14877	US	23 JUL	19 JAN 92	
1973-080A		6907	USSR	29 OCT	30 SEP 92	
1973-080B	COSMOS 604	6908	USSR	15 NOV	14 NOV 92	
1974-089G		8138	US	22 JAN	08 MAR 92	
1975-004AS		8960	US	22 JAN	16 JAN 92	
1975-004GD		9682	US	22 JAN	04 MAY 92	
1975-004HH		17729	US	19 APR	11 FEB 92	
1975-033A	ARIABAT	7752	INDIA	12 JUN	18 AUG 92	
1975-052CB		21357	US	12 JUN	03 MAR 92	
1975-052DQ		21432	US	12 JUN	04 AUG 92	
1975-052FY		21503	US	12 JUN	04 JAN 92	
1975-052GJ		21513	US	12 JUN	17 OCT 92	
1975-052JK		21683	US	22 AUG	05 NOV 92	
1975-076A	COSMOS 756	8127	USSR	22 AUG	10 MAY 92	
1976-077DV		12541	US	29 JUL	22 MAR 92	
1976-085B		9390	USSR	27 AUG	21 DEC 92	
1976-126W		9725	USSR	27 DEC	22 MAR 92	
1977-015A	COSMOS 895	9853	USSR	26 FEB	19 JUN 92	
1977-054E		21962	USSR	24 JUN	04 SEP 92	
1977-065CK		10258	US	14 JUL	07 AUG 92	
1977-065DX		10348	US	14 JUL	18 JUN 92	
1977-065EN		10480	US	14 JUL		

OBJECTS DECAYED WITHIN THE REPORTING PERIOD

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1977-065Q		10186	US	14 JUL	25 JAN 92	
1978-014H		22008	JAPAN	04 FEB	02 AUG 92	
1978-024A	MOLNIYA 1-39	10696	USSR	02 MAR	09 MAR 92	
1978-024D		10803	USSR	02 MAR	11 DEC 92	
1978-026BR		12224	US	05 MAR	31 DEC 92	
1978-042C		10854	US	01 MAY	06 MAR 92	
1978-072A	MOLNIYA 1-41	10984	USSR	14 JUL	08 FEB 92	
1978-072D		11073	USSR	14 JUL	17 MAR 92	
1978-100AF		19352	USSR	26 OCT	29 MAR 92	
1978-100AG		19364	USSR	26 OCT	26 JUN 92	
1979-017A	SOLWIND	11278	US	24 FEB	20 JUL 92	
1979-017HD		16570	US	24 FEB	06 DEC 92	
1979-017LE		18424	US	24 FEB	21 SEP 92	
1979-048A	MOLNIYA 3-12	11384	USSR	05 JUN	26 SEP 92	
1980-002A	MOLNIYA 1-46	11662	USSR	11 JAN	22 OCT 92	
1980-002F		11670	USSR	11 JAN	04 DEC 92	
1980-030T		12345	USSR	18 APR	09 JAN 92	
1980-051A	METEOR 1-30	11848	USSR	18 JUN	01 MAR 92	
1981-028BD		13681	USSR	20 MAR	21 JAN 92	
1981-030A	MOLNIYA 3-15	12368	USSR	24 MAR	19 OCT 92	
1981-053EF		12951	USSR	04 JUN	19 JUN 92	
1981-053HY		14362	USSR	04 JUN	13 MAR 92	
1981-053JB		14399	USSR	04 JUN	03 FEB 92	
1981-053LV		18499	USSR	04 JUN	27 APR 92	
1981-057D		12562	ESA	19 JUN	23 JUN 92	
1981-060D		12563	USSR	24 JUN	27 MAR 92	
1982-023A	MOLNIYA 3-18	13107	USSR	24 MAR	23 JUN 92	
1982-023D		13112	USSR	24 MAR	17 SEP 92	
1982-050A	MOLNIYA 1-54	13237	USSR	28 MAR	19 NOV 92	
1982-074A	MOLNIYA 1-55	13383	USSR	21 JUL	10 OCT 92	
1982-097B		13599	US	28 SEP	16 FEB 92	
1983-044BN		15815	USSR	18 NOV	29 APR 92	
1983-113D		14609	US	07 NOV	19 JUN 92	
1983-127L		21860	USSR	29 DEC	18 AUG 92	
1984-005C		14665	JAPAN	23 JAN	30 JUN 92	
1984-021C		14782	US	01 MAR	21 JAN 92	
1984-106AA		22157	USSR	28 SEP	10 OCT 92	
1984-106AB		22158	USSR	28 SEP	20 NOV 92	
1984-106AC		22159	USSR	28 SEP	11 OCT 92	
1984-106AD		22160	USSR	28 SEP	13 OCT 92	
1984-106H		22140	USSR	28 SEP	06 DEC 92	
1984-106J		22141	USSR	28 SEP	11 OCT 92	
1984-106K		22142	USSR	28 SEP	10 OCT 92	
1984-106L		22143	USSR	28 SEP	11 OCT 92	
1984-106M		22144	USSR	28 SEP	19 OCT 92	
1984-106N		22145	USSR	28 SEP	05 NOV 92	
1984-106Q		22147	USSR	28 SEP	08 OCT 92	
1984-106R		22148	USSR	28 SEP	13 NOV 92	
1984-106S		22149	USSR	28 SEP	11 OCT 92	
1984-106T		22150	USSR	28 SEP	14 OCT 92	
1984-106U		22151	USSR	28 SEP	14 OCT 92	
1984-106V		22152	USSR	28 SEP	16 NOV 92	
1984-106W		22153	USSR	28 SEP	23 OCT 92	
1984-106X		22154	USSR	28 SEP	20 OCT 92	
1984-106Y		22155	USSR	28 SEP	22 OCT 92	
1984-106Z		22156	USSR	28 SEP	14 OCT 92	

OBJECTS DECAYED WITHIN THE REPORTING PERIOD

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1984-123C		15441	US	12 DEC	13 NOV 92	
1985-021C		15613	US	13 MAR	20 SEP 92	
1986-017EA		21482	USSR	19 FEB	07 JAN 92	
1986-017EF		21488	USSR	19 FEB	11 APR 92	
1986-017EJ		21526	USSR	19 FEB	05 APR 92	
1986-017FK		21810	USSR	19 FEB	28 FEB 92	
1986-017FL		21811	USSR	19 FEB	17 JUN 92	
1986-017FN		21830	USSR	19 FEB	01 JUL 92	
1986-017FP		21831	USSR	19 FEB	17 JUN 92	
1986-017FQ		21832	USSR	19 FEB	04 JUN 92	
1986-017FR		21879	USSR	19 FEB	25 MAR 92	
1986-017FS		21880	USSR	19 FEB	22 MAR 92	
1986-017FT		21881	USSR	19 FEB	29 MAR 92	
1986-017FV		21883	USSR	19 FEB	25 FEB 92	
1986-017FX		21885	USSR	19 FEB	21 APR 92	
1986-017FY		21886	USSR	19 FEB	26 MAR 92	
1986-017FZ		21887	USSR	19 FEB	29 JUN 92	
1986-017GA		21888	USSR	19 FEB	04 APR 92	
1986-017GB		21889	USSR	19 FEB	09 JUN 92	
1986-017GC		21896	USSR	19 FEB	17 MAY 92	
1986-017GD		21901	USSR	19 FEB	10 MAY 92	
1986-017GE		22023	USSR	19 FEB	12 DEC 92	
1986-017GH		22046	USSR	19 FEB	19 OCT 92	
1986-017GK		22107	USSR	19 FEB	10 DEC 92	
1986-017GL		22111	USSR	19 FEB	23 SEP 92	
1986-017GN		22122	USSR	19 FEB	02 DEC 92	
1986-017GQ		22124	USSR	19 FEB	03 NOV 92	
1986-017GT		22129	USSR	19 FEB	17 NOV 92	
1986-017GU		22130	USSR	19 FEB	01 NOV 92	
1986-017GV		22131	USSR	19 FEB	12 NOV 92	
1986-017GY		22228	USSR	19 FEB	08 DEC 92	
1986-019BV		17223	ESA	22 FEB	16 MAR 92	
1986-019CP		17307	ESA	22 FEB	06 MAR 92	
1986-019CW		17314	ESA	22 FEB	06 JAN 92	
1986-019CX		17315	ESA	22 FEB	23 JAN 92	
1986-019FA		17392	ESA	22 FEB	13 MAY 92	
1986-019LQ		17698	ESA	22 FEB	11 FEB 92	
1986-071H		16985	USSR	16 SEP	26 NOV 92	
1987-020BZ		19437	USSR	20 FEB	18 APR 92	
1987-020M		18734	USSR	20 FEB	21 NOV 92	
1987-020T		18740	US	03 FEB	27 FEB 92	
1988-006B		18845	US	20 FEB	29 OCT 92	
1988-006C		18846	US	03 FEB	12 MAR 92	
1988-089C		19534	US	24 SEP	18 JUN 92	
1988-113A		19720	USSR	23 DEC	04 MAY 92	
1989-016L		19962	JAPAN	21 FEB	01 FEB 92	
1989-020C		19877	ESA	06 MAR	21 APR 92	
1989-020D		19878	ESA	06 MAR	22 DEC 92	
1989-026A		19911	US	24 MAR	23 JUN 92	
1989-041D		20043	ESA	05 JUN	10 MAY 92	
1989-045A		20064	USSR	14 JUN	14 APR 92	
1989-062D		20171	ESA	08 AUG	08 MAR 92	
1990-015B		20497	US	14 FEB	24 MAY 92	
1990-038A		20581	USSR	25 APR	20 FEB 92	
1990-038K		21864	USSR	25 APR	08 FEB 92	
1990-038L		21865	USSR	25 APR	07 FEB 92	

COSMOS 1985

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OBJECTS DECAYED WITHIN THE REPORTING PERIOD

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1992-011C		21899	USSR	04 MAR	19 MAR 92	
1992-014A	SOYUZ TM-14	21908	USSR	17 MAR	10 AUG 92	
1992-014B		21909	USSR	17 MAR	19 MAR 92	
1992-015A	STS 45	21915	US	24 MAR	02 APR 92	
1992-016A	COSMOS 2182	21920	USSR	01 APR	30 MAY 92	
1992-016B		21921	USSR	01 APR	04 APR 92	
1992-017B		21923	USSR	02 APR	04 APR 92	
1992-017C		21924	USSR	02 APR	02 APR 92	
1992-017E		21926	USSR	02 APR	23 OCT 92	
1992-017F		21927	USSR	02 APR	04 NOV 92	
1992-018B		21929	USSR	08 APR	10 APR 92	
1992-022A	PROGRESS M-12	21946	USSR	19 APR	27 JUN 92	
1992-022B		21947	USSR	19 APR	21 APR 92	
1992-024A	RESURS F-14	21951	USSR	29 APR	29 MAY 92	
1992-024B		21952	USSR	29 APR	01 MAY 92	
1992-024C		21975	USSR	29 APR	30 MAY 92	
1992-025A	COSMOS 2185	21953	USSR	29 APR	11 JUN 92	
1992-025B		21954	USSR	29 APR	03 MAY 92	
1992-026A	STS 49	21963	US	07 MAY	16 MAY 92	
1992-028A	SROSS 3	21968	INDIA	20 MAY	14 JUL 92	
1992-028B		21967	INDIA	20 MAY	24 JUN 92	
1992-029A	COSMOS 2186	21973	USSR	28 MAY	24 JUN 92	
1992-029B		21974	USSR	28 MAY	03 JUN 92	
1992-031B	RESURS F 15	21988	US	07 JUN	16 OCT 92	
1992-033A		21998	USSR	23 JUN	09 JUL 92	
1992-033B		21999	USSR	23 JUN	25 JUN 92	
1992-033C		22026	USSR	23 JUN	12 JUL 92	
1992-033D		22029	USSR	23 JUN	11 JUL 92	
1992-033E		22030	USSR	23 JUN	21 JUL 92	
1992-033F		22031	USSR	23 JUN	10 JUL 92	
1992-034A	STS 50	22000	US	25 JUN	09 JUL 92	
1992-035A	PROGRESS M-13	22004	USSR	30 JUN	24 JUL 92	
1992-035B		22005	USSR	30 JUN	02 JUL 92	
1992-040B		22018	USSR	08 JUL	15 AUG 92	
1992-040C		22019	USSR	08 JUL	26 JUL 92	
1992-040E		22021	USSR	08 JUL	14 JUL 92	
1992-040F		22022	USSR	08 JUL	07 AUG 92	
1992-043B		22042	USSR	14 JUL	17 JUL 92	
1992-043C		22043	USSR	14 JUL	15 JUL 92	
1992-045A	COSMOS 2203	22052	USSR	24 JUL	22 SEP 92	
1992-045B		22053	USSR	24 JUL	01 AUG 92	
1992-045C		22135	USSR	24 JUL	23 SEP 92	
1992-046B		22055	USSR	27 JUL	29 JUL 92	
1992-047D		22059	USSR	30 JUL	30 JUL 92	
1992-048A	COSMOS 2207	22062	USSR	30 JUL	13 AUG 92	
1992-048B		22063	USSR	30 JUL	01 AUG 92	
1992-048C		22082	USSR	30 JUL	30 SEP 92	
1992-048D		22083	USSR	30 JUL	23 AUG 92	
1992-048E		22084	USSR	30 JUL	18 AUG 92	
1992-048F		22085	USSR	30 JUL	29 AUG 92	
1992-048G		22086	USSR	30 JUL	21 AUG 92	
1992-049A	STS-46	22064	US	31 JUL	08 AUG 92	
1992-050B		22069	USSR	06 AUG	20 SEP 92	
1992-050C		22070	USSR	06 AUG	29 AUG 92	
1992-050E		22095	USSR	06 AUG	08 SEP 92	
1992-051A	PRC 35	22072	PRC	09 AUG	01 SEP 92	

OBJECTS DECAYED WITHIN THE REPORTING PERIOD

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1992-051B		22073	PRC	09 AUG	16 AUG 92	
1992-051C		22074	PRC	09 AUG	09 AUG 92	
1992-051D		22075	PRC	09 AUG	10 AUG 92	
1992-054B		22088	PRC	13 AUG	12 DEC 92	
1992-055A	PROGRESS M-14	22090	USSR	15 AUG	21 OCT 92	
1992-055B		22091	USSR	15 AUG	18 AUG 92	
1992-055C		22092	USSR	15 AUG	17 AUG 92	
1992-056A	RESURS F-16	22093	USSR	15 AUG	17 AUG 92	
1992-056B		22094	USSR	04 SEP 92	04 SEP 92	
1992-056C	PION 1	22099	USSR	21 AUG 92	21 AUG 92	
1992-056D	PION 2	22100	USSR	19 AUG	25 SEP 92	
1992-056E		22102	USSR	19 AUG	24 SEP 92	
1992-056F		22103	USSR	19 AUG	13 SEP 92	
1992-056G		22104	USSR	19 AUG	07 SEP 92	
1992-056H		22105	USSR	19 AUG	06 SEP 92	
1992-059B		22113	USSR	19 AUG	07 SEP 92	
1992-059C		22114	USSR	10 SEP	07 SEP 92	
1992-061A	STS 47	22120	US	10 SEP	11 SEP 92	
1992-062A	COSMOS 2210	22133	USSR	12 SEP	20 SEP 92	
1992-062B		22134	USSR	22 SEP	20 NOV 92	
1992-063B		22137	USSR	22 SEP	26 SEP 92	
1992-064B	PRC 36	22162	US	25 SEP	01 OCT 92	
1992-064C		22163	PRC	06 OCT	31 OCT 92	
1992-064D		22164	PRC	06 OCT	20 OCT 92	
1992-064E		22165	PRC	06 OCT	09 OCT 92	
1992-064F		22166	PRC	06 OCT	08 OCT 92	
1992-064G		22167	PRC	06 OCT	09 OCT 92	
1992-064H		22168	PRC	06 OCT	08 OCT 92	
1992-064J		22169	PRC	06 OCT	10 OCT 92	
1992-064K		22170	PRC	06 OCT	09 OCT 92	
1992-065A	FOTON 5	22173	USSR	06 OCT	09 OCT 92	
1992-065B		22174	USSR	08 OCT	24 OCT 92	
1992-065C		22199	USSR	08 OCT	22 OCT 92	
1992-065D		22200	USSR	08 OCT	20 NOV 92	
1992-065E		22201	USSR	08 OCT	31 OCT 92	
1992-065F		22202	USSR	08 OCT	30 OCT 92	
1992-067B		22179	USSR	08 OCT	03 NOV 92	
1992-067C		22180	USSR	08 OCT	28 OCT 92	
1992-067E		22193	USSR	14 OCT	24 OCT 92	
1992-069B		22190	USSR	14 OCT	28 OCT 92	
1992-069C		22191	USSR	21 OCT	25 NOV 92	
1992-070A	STS 52	22194	USSR	21 OCT	07 NOV 92	
1992-070C	CTA	22214	US	22 OCT	01 NOV 92	
1992-071B		22204	CANADA	22 OCT	01 NOV 92	
1992-074B		22211	USSR	27 OCT	28 OCT 92	
1992-074C		22212	USSR	30 OCT	01 NOV 92	
1992-075A	RESURS 500	22217	USSR	30 OCT	31 OCT 92	
1992-075B		22218	USSR	15 NOV	22 NOV 92	
1992-075C		22234	USSR	15 NOV	18 NOV 92	
1992-075D		22235	USSR	15 NOV	30 NOV 92	
1992-077B		22227	USSR	15 NOV	28 NOV 92	
1992-081B		22239	USSR	25 NOV	24 NOV 92	
1992-081C		22240	USSR	25 NOV	28 DEC 92	
1992-081E		22242	USSR	25 NOV	14 DEC 92	
1992-081F		22243	USSR	25 NOV	15 DEC 92	
1992-081G		22244	USSR	25 NOV	29 NOV 92	

OBJECTS DECAYED WITHIN THE REPORTING PERIOD

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1992-082B		22246	USSR	27 NOV	30 NOV 92	
1992-082C		22247	USSR	27 NOV	28 NOV 92	
1992-085B		22256	USSR	02 DEC	14 DEC 92	
1992-085C		22257	USSR	02 DEC	11 DEC 92	
1992-085E		22262	USSR	02 DEC	15 DEC 92	
1992-086A		22259	US	02 DEC	09 DEC 92	
1992-087B	STS 53	22261	USSR	09 DEC	12 DEC 92	
1992-088B		22270	USSR	17 DEC	19 DEC 92	
1992-088C		22271	USSR	17 DEC	18 DEC 92	
1992-091B		22281	USSR	22 DEC	26 DEC 92	

INTER- NATIONAL DESIGNATION	NAME	DECAYED OBJECTS			LAUNCH	DECAY	NOTES
		CATALOG NUMBER	SOURCE				
1957 LAUNCHES							
ALPHA 1	SPUTNIK 1 SPUTNIK 2	1	USSR	04 OCT	01 DEC 57		
ALPHA 2		2	USSR	04 OCT	01 JAN 58		
BETA 1		3	USSR	03 NOV	14 APR 58		
1958 LAUNCHES							
ALPHA 1	EXPLORER 1	4	US	01 FEB	31 MAR 70		
GAMMA 1	EXPLORER 3	6	US	26 MAR	28 JUN 58		
DELTA 1	SPUTNIK 3 EXPLORER 4 PIONEER 1 PIONEER 3 SCORE	7	USSR	15 MAY	03 DEC 58		
DELTA 2		8	USSR	15 MAY	06 APR 60		
EPSILON 1		9	US	26 JUL	23 OCT 59		
ETA 1		110	US	11 OCT	12 OCT 58		
THETA 1		111	US	06 DEC	07 DEC 58		
ZETA 1		10	US	18 DEC	21 JAN 59		
1959 LAUNCHES							
ALPHA 3	DISCOVERER 1	5807	US	17 FEB	22 NOV 82		
BETA 1	DISCOVERER 2	13	US	28 FEB	01 MAR 59		
GAMMA 1	EXPLORER 6	14	US	13 APR	26 APR 59		
DELTA 1		15	US	07 AUG	01 JUL 61		
DELTA 2		17	US	07 AUG	01 JUL 61		
EPSILON 1	DISCOVERER 5	18	US	13 AUG	28 SEP 59		
EPSILON 2	CAPSULE	26	US	13 AUG	11 FEB 61		
ZETA 1	DISCOVERER 6	19	US	19 AUG	20 OCT 59		
XI 1	LUNA 2	114	USSR	12 SEP	15 SEP 59		
THETA 1	LUNA 3	21	USSR	04 OCT	29 APR 60	A*	
IOTA 2		23	US	13 OCT	16 JUL 89		
KAPPA 1	DISCOVERER 7	24	US	07 NOV	26 NOV 59		
LAMBDA 1	DISCOVERER 8	25	US	20 NOV	08 MAR 60		
1960 LAUNCHES							
BETA 1		28	US	01 APR	02 JUL 91		
BETA 3		101	US	01 APR	17 APR 83		
GAMMA 1	TRANSIT 1B	30	US	13 APR	18 AUG 60		
GAMMA 2		31	US	13 APR	05 OCT 67		
GAMMA 3		33	US	13 APR	01 JUL 60		
GAMMA 4		99	US	13 APR	17 JUL 79		
DELTA 1	DISCOVERER 11	32	US	15 APR	26 APR 60		
EPSILON 1	SPUTNIK 4	34	USSR	15 MAY	05 SEP 62		
EPSILON 2		35	USSR	15 MAY	17 JUL 60		
EPSILON 3		36	USSR	15 MAY	15 OCT 65		
EPSILON 4		37	USSR	15 MAY	01 JUL 61		
EPSILON 5		38	USSR	15 MAY	01 OCT 60		
EPSILON 6		39	USSR	15 MAY	24 SEP 60		
EPSILON 7		40	USSR	15 MAY	24 SEP 60		
EPSILON 8		41	USSR	15 MAY	01 OCT 60		
EPSILON 9		42	USSR	15 MAY	01 OCT 60		
ZETA 1	MIDAS 2	43	US	24 MAY	07 FEB 74		
ZETA 2		44	US	24 MAY	05 DEC 60		
THETA 1	DISCOVERER 13	48	US	10 AUG	14 NOV 60		
THETA 1	CAPSULE	61002	US	10 AUG	11 AUG 60	B*	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
IOTA 1	ECHO 1	49	US	12 AUG	24 MAY 68	
KAPPA 1	DISCOVERER 14	54	US	18 AUG	16 SEP 60	B*
KAPPA 1	CAPSULE	61003	US	18 AUG	19 AUG 60	C*
LAMBDA 1	SPUTNIK 5	55	USSR	19 AUG	20 AUG 60	
LAMBDA 2		56	USSR	19 AUG	23 SEP 60	
MU 1	DISCOVERER 15	57	US	13 SEP	18 OCT 60	
MU 1	CAPSULE	61004	US	13 SEP	15 SEP 60	D*
XI 2		62	US	03 NOV	27 OCT 85	
XI 3		69	US	03 NOV	16 FEB 70	
XI 4		105	US	03 NOV	03 MAR 72	
OMICRON 1	DISCOVERER 17	61	US	12 NOV	29 DEC 60	
OMICRON 1	CAPSULE	61005	US	12 NOV	14 NOV 60	
PI 2		64	US	23 NOV	23 SEP 81	
PI 3		74	US	23 NOV	10 MAY 89	
PI 4		75	US	23 NOV	25 JAN 90	
RHO 1	SPUTNIK 6	65	USSR	01 DEC	02 DEC 60	
RHO 2		66	USSR	01 DEC	02 DEC 60	
SIGMA 1	DISCOVERER 18	67	US	07 DEC	02 APR 61	B*
SIGMA 1	CAPSULE	61006	US	07 DEC	10 DEC 60	
TAU 1	DISCOVERER 19	68	US	20 DEC	23 JAN 61	
1961 LAUNCHES						
ALPHA 1	SAMOS 2	70	US	31 JAN	21 OCT 73	
ALPHA 2		79	US	31 JAN	09 OCT 70	
BETA 1	SPUTNIK 7	71	USSR	04 FEB	26 FEB 61	
BETA 2		72	USSR	04 FEB	13 FEB 61	
BETA 3		73	USSR	04 FEB	17 MAR 61	
GAMMA 2		76	USSR	12 FEB	18 FEB 61	
GAMMA 3	SPUTNIK 8	77	USSR	12 FEB	25 FEB 61	
GAMMA 4		78	USSR	12 FEB	18 FEB 61	
DELTA 1	EXPLORER 9	81	US	16 FEB	09 APR 64	
DELTA 4		86	US	16 FEB	01 JUL 61	
DELTA 5		3738	US	16 FEB	29 MAR 82	
DELTA 8		5237	US	16 FEB	20 JUL 74	
EPSILON 1	DISCOVERER 20	83	US	17 FEB	28 JUL 62	
EPSILON 2		88	US	17 FEB	02 APR 61	
EPSILON 3		89	US	17 FEB	20 APR 61	
EPSILON 4		90	US	17 FEB	31 OCT 61	
ZETA 1	DISCOVERER 21	84	US	18 FEB	20 APR 62	
ETA 1	TRANSIT 3B & LOFT 1	87	US	22 FEB	30 MAR 61	C*
THETA 1	SPUTNIK 9	91	USSR	09 MAR	09 MAR 61	
THETA 2		92	USSR	09 MAR	10 MAR 61	
THETA 3		93	USSR	09 MAR	10 MAR 61	
THETA 4		94	USSR	09 MAR	10 MAR 61	
IOTA 1		95	USSR	25 MAR	25 MAR 61	
IOTA 2	SPUTNIK 10	96	USSR	25 MAR	26 MAR 61	
IOTA 3		97	USSR	25 MAR	26 MAR 61	
KAPPA 1	EXPLORER 10	98	US	25 MAR	01 JUN 68	
LAMBDA 1	DISCOVERER 23	100	US	08 APR	16 APR 62	
LAMBDA 2	CAPSULE	102	US	08 APR	23 MAY 62	
LAMBDA 3		106	US	08 APR	10 SEP 61	
MU 1	VOSTOK 1	103	USSR	12 APR	12 APR 61	E*
MU 2		104	USSR	12 APR	16 APR 61	
XI 1	DISCOVERER 25	108	US	16 JUN	12 JUL 61	
XI 2		109	US	16 JUN	19 JUN 61	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME CAPSULE	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
XI 1		61007	US	16 JUN	18 JUN 61	
OMICRON 101		328	US	29 JUN	03 MAY 70	B*
OMICRON 104		331	US	29 JUN	24 MAR 89	
OMICRON 105		332	US	29 JUN	20 SEP 70	
OMICRON 113		352	US	29 JUN	10 DEC 66	
OMICRON 117		356	US	29 JUN	02 FEB 81	
OMICRON 119		358	US	29 JUN	31 AUG 66	
OMICRON 120		359	US	29 JUN	31 AUG 65	
OMICRON 121		401	US	29 JUN	25 JAN 89	
OMICRON 131		411	US	29 JUN	20 JUN 78	
OMICRON 132		412	US	29 JUN	30 JUN 80	
OMICRON 133		413	US	29 JUN	02 DEC 89	
OMICRON 135		415	US	29 JUN	27 MAY 89	
OMICRON 138		418	US	29 JUN	05 NOV 91	
OMICRON 14		129	US	29 JUN	31 AUG 81	
OMICRON 141		421	US	29 JUN	02 OCT 84	
OMICRON 145		464	US	29 JUN	18 DEC 89	
OMICRON 147		466	US	29 JUN	26 NOV 88	
OMICRON 149		468	US	29 JUN	03 DEC 81	
OMICRON 154		473	US	29 JUN	02 MAR 72	
OMICRON 158		531	US	29 JUN	18 JAN 82	
OMICRON 164		539	US	29 JUN	15 APR 71	
OMICRON 167		540	US	29 JUN	24 FEB 91	
OMICRON 168		542	US	29 JUN	20 AUG 91	
OMICRON 170		547	US	29 JUN	06 JUL 91	
OMICRON 175		550	US	29 JUN	20 NOV 89	
OMICRON 178		551	US	29 JUN	03 FEB 91	
OMICRON 179		556	US	29 JUN	16 FEB 90	
OMICRON 181		557	US	29 JUN	28 MAY 90	
OMICRON 182		557	US	29 JUN	14 FEB 67	
OMICRON 190		646	US	29 JUN	07 JUN 72	
OMICRON 194		650	US	29 JUN	27 MAY 82	
OMICRON 198		654	US	29 JUN	03 JUL 68	
OMICRON 206		662	US	29 JUN	27 DEC 91	
OMICRON 208		1501	US	29 JUN	23 JAN 79	
OMICRON 211		2010	US	29 JUN	06 MAR 80	
OMICRON 212		2087	US	29 JUN	13 MAR 79	
OMICRON 213		3037	US	29 JUN	01 FEB 68	
OMICRON 218		3740	US	29 JUN	25 DEC 74	
OMICRON 22		137	US	29 JUN	15 DEC 80	
OMICRON 224		3968	US	29 JUN	03 JUN 69	
OMICRON 225		3969	US	29 JUN	27 JUN 69	
OMICRON 230		4027	US	29 JUN	19 DEC 70	
OMICRON 234		5716	US	29 JUN	09 APR 82	
OMICRON 237		5747	US	29 JUN	03 JAN 77	
OMICRON 24		139	US	29 JUN	08 JUL 78	
OMICRON 242		5787	US	29 JUN	28 AUG 74	
OMICRON 247		5877	US	29 JUN	01 MAY 79	
OMICRON 248		5972	US	29 JUN	30 OCT 76	
OMICRON 249		5985	US	29 JUN	07 DEC 76	
OMICRON 25		140	US	29 JUN	30 SEP 62	
OMICRON 250		6179	US	29 JUN	20 NOV 76	
OMICRON 251		6746	US	29 JUN	21 DEC 74	
OMICRON 256		9969	US	29 JUN	05 APR 78	
OMICRON 263		13941	US	29 JUN	21 SEP 88	
OMICRON 265		14499	US	29 JUN	20 MAR 91	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAY	NOTES
			SOURCE			
OMICRON 266		14500	US	29 JUN	06 MAY 89	
OMICRON 268		15339	US	29 JUN	07 DEC 87	
OMICRON 27		142	US	29 JUN	25 DEC 67	
OMICRON 270		15760	US	29 JUN	12 AUG 87	
OMICRON 272		17648	US	29 JUN	12 FEB 90	
OMICRON 277		17653	US	29 JUN	11 AUG 90	
OMICRON 278		17711	US	29 JUN	29 DEC 89	
OMICRON 279		17712	US	29 JUN	01 AUG 88	
OMICRON 28		143	US	29 JUN	16 JUN 62	
OMICRON 281		17714	US	29 JUN	15 JAN 90	
OMICRON 282		18498	US	29 JUN	21 NOV 89	
OMICRON 286		18890	US	29 JUN	30 JUN 89	
OMICRON 288		19031	US	29 JUN	26 JUN 89	
OMICRON 293		19428	US	29 JUN	08 MAR 90	
OMICRON 294		19430	US	29 JUN	19 MAY 90	
OMICRON 31		146	US	29 JUN	07 JUL 69	
OMICRON 34		149	US	29 JUN	03 MAR 79	
OMICRON 36		151	US	29 JUN	02 DEC 67	
OMICRON 38		153	US	29 JUN	22 APR 81	
OMICRON 42		157	US	29 JUN	08 JAN 81	
OMICRON 45		161	US	29 JUN	29 AUG 81	
OMICRON 46		171	US	29 JUN	29 JAN 62	
OMICRON 49		176	US	29 JUN	12 FEB 82	
OMICRON 55		212	US	29 JUN	11 AUG 88	
OMICRON 56		216	US	29 JUN	13 NOV 89	
OMICRON 57		220	US	29 JUN	21 FEB 66	
OMICRON 62		231	US	29 JUN	13 FEB 65	
OMICRON 67		236	US	29 JUN	13 MAY 69	
OMICRON 68		237	US	29 JUN	12 APR 69	
OMICRON 69		238	US	29 JUN	07 DEC 69	
OMICRON 70		239	US	29 JUN	17 JUN 67	
OMICRON 75		250	US	29 JUN	13 SEP 81	
OMICRON 84		265	US	29 JUN	12 OCT 78	
OMICRON 88		300	US	29 JUN	15 DEC 79	
OMICRON 89		301	US	29 JUN	08 APR 81	
OMICRON 90		317	US	29 JUN	11 JAN 81	
OMICRON 92		319	US	29 JUN	23 JUL 81	
OMICRON 94		321	US	29 JUN	26 FEB 69	
OMICRON 95		322	US	29 JUN	06 JUN 69	
OMICRON 99		326	US	29 JUN	07 OCT 79	
PI 1	DISCOVERER 26	160	US	07 JUL	05 DEC 61	B*
PI 1	CAPSULE	61008	US	07 JUL	09 JUL 61	
SIGMA 2		164	US	12 JUL	24 JUL 61	
SIGMA 5		6215	US	12 JUL	30 OCT 76	
TAU 1		168	USSR	06 AUG	07 AUG 61	E*
TAU 2		169	USSR	06 AUG	09 AUG 61	
UPSILON 1		170	US	16 AUG	01 SEP 63	
PHI 1	EXPLORER 12	173	US	23 AUG	30 AUG 61	
PHI 2	RANGER 1	174	US	23 AUG	03 SEP 61	
CHI 1		180	US	25 AUG	28 AUG 61	
PSI 1	EXPLORER 13	181	US	30 AUG	10 SEP 61	
PSI 1	DISCOVERER 29	61009	US	30 AUG	04 SEP 61	
PSI 1	CAPSULE	182	US	12 SEP	11 DEC 61	
OMEGA 1	DISCOVERER 30	185	US	12 SEP	18 SEP 61	
OMEGA 2		187	US	12 SEP	28 SEP 61	
OMEGA 3		187	US	12 SEP	15 SEP 61	B*
OMEGA 1	CAPSULE	61010	US	12 SEP		

DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES			
A-ALPHA 1	MA 4	183	US	13 SEP	13 SEP 61	B*			
A-ALPHA 2		184	US	13 SEP	13 SEP 61				
A-BETA 1	DISCOVERER 31	186	US	17 SEP	26 OCT 61				
A-GAMMA 1	DISCOVERER 32	189	US	13 OCT	13 NOV 61	B*			
A-GAMMA 2		190	US	13 OCT	25 OCT 61				
A-GAMMA 3		191	US	13 OCT	16 OCT 61				
A-GAMMA 1	CAPSULE	61011	US	13 OCT	14 OCT 61	B*			
A-DELTA 2		193	US	21 OCT	05 DEC 61				
A-EPSILON 1	DISCOVERER 34	197	US	05 NOV	07 DEC 62				
A-EPSILON 2		198	US	05 NOV	30 NOV 61				
A-EPSILON 3		199	US	05 NOV	09 DEC 61				
A-EPSILON 4		200	US	05 NOV	10 DEC 61				
A-EPSILON 5		203	US	05 NOV	12 DEC 61				
A-ZETA 1	DISCOVERER 35	201	US	15 NOV	03 DEC 61				
A-ZETA 2		207	US	15 NOV	23 NOV 61	B*			
A-ZETA 1	CAPSULE	61012	US	15 NOV	16 NOV 61				
A-THETA 1	RANGER 2	206	US	18 NOV	20 NOV 61	B*			
A-IOTA 1	MA 5	208	US	29 NOV	29 NOV 61				
A-KAPPA 1		209	US	29 NOV	30 NOV 61				
A-KAPPA 2	DISCOVERER 36	213	US	12 DEC	08 MAR 62				
A-KAPPA 3	OSCAR 1	214	US	12 DEC	31 JAN 62				
A-KAPPA 1		215	US	12 DEC	19 DEC 61				
A-KAPPA 1	CAPSULE	61013	US	12 DEC	16 DEC 61	B*			
A-LAMBDA 1		217	US	22 DEC	14 AUG 62				
A-LAMBDA 2		218	US	22 DEC	31 DEC 61				
A-LAMBDA 3		219	US	22 DEC	09 JAN 62				
1962 LAUNCHES									
GAMMA 1	FRIENDSHIP 7	240	US	20 FEB	20 FEB 62	F*			
GAMMA 2		241	US	20 FEB	21 FEB 62				
DELTA 1		242	US	21 FEB	04 MAR 62				
EPSILON 1	DISCOVERER 38	247	US	27 FEB	21 MAR 62				
EPSILON 2		248	US	27 FEB	03 MAR 62				
EPSILON 3		249	US	27 FEB	03 MAR 62				
EPSILON 4		251	US	27 FEB	03 MAR 62				
EPSILON 1	CAPSULE	61014	US	27 FEB	03 MAR 62	B*			
ETA 1		256	US	07 MAR	07 JUN 63				
ETA 2		258	US	07 MAR	31 MAR 62				
ETA 3		259	US	07 MAR	03 NOV 62				
ZETA 1	OSO 1	255	US	07 MAR	08 OCT 81				
ZETA 2		257	US	07 MAR	03 MAY 70				
THETA 1	COSMOS 1	266	USSR	16 MAR	25 MAY 62				
THETA 2		267	USSR	16 MAR	18 JUN 62				
IOTA 1	COSMOS 2	269	USSR	06 APR	20 AUG 63				
IOTA 2		270	USSR	06 APR	06 OCT 62				
KAPPA 2		272	US	09 APR	04 MAY 62				
KAPPA 5		4494	US	09 APR	22 MAY 77				
KAPPA 6		5703	US	09 APR	07 NOV 76				
LAMBDA 1		276	US	18 APR	28 MAY 62				
LAMBDA 2		277	US	18 APR	20 APR 62				
LAMBDA 3		278	US	18 APR	21 APR 62				
LAMBDA 4		279	US	18 APR	21 APR 62				
MU 1	RANGER 4	280	US	23 APR	26 APR 62	G*			
NU 1	COSMOS 3	281	USSR	24 APR	17 OCT 62				
NU 2		283	USSR	24 APR	05 AUG 62				

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
OMICRON 1	ARIEL 1	285	UK	26 APR	24 MAY 76	
OMICRON 2		288	US	26 APR	28 APR 62	
PI 1		286	US	26 APR	28 APR 62	
XI 1	COSMOS 4	287	USSR	26 APR	29 APR 62	
XI 2		284	USSR	26 APR	17 JUN 62	
XI 3		289	USSR	26 APR	03 MAY 62	
RHO 1		290	US	29 APR	26 MAY 62	
RHO 2		291	US	29 APR	01 MAY 62	
SIGMA 1		292	US	15 MAY	26 NOV 63	
SIGMA 2		293	US	15 MAY	03 JUL 62	
SIGMA 3		294	US	15 MAY	13 JUL 62	
TAU 1	AURORA 7	295	US	24 MAY	24 MAY 62	
TAU 2		296	US	24 MAY	25 MAY 62	
UPSILON 1	COSMOS 5	297	USSR	28 MAY	02 MAY 63	
UPSILON 2		298	USSR	28 MAY	15 DEC 62	
PHI 1		302	US	30 MAY	11 JUN 62	
PHI 2		303	US	30 MAY	02 JUN 62	
CHI 1		304	US	02 JUN	28 JUN 62	
CHI 2		305	US	02 JUN	21 JUN 62	
CHI 3	OSCAR 2	306	US	02 JUN	06 JUN 62	
PSI 1		307	US	17 JUN	18 JUN 62	
OMEGA 1		308	US	18 JUN	30 OCT 63	
OMEGA 2		310	US	18 JUN	12 JUL 62	
OMEGA 3		314	US	18 JUN	14 JUL 62	
A ALPHA 2		311	US	19 JUN	28 NOV 90	
A ALPHA 5		6251	US	19 JUN	30 OCT 76	
A-BETA 1		315	US	23 JUN	07 JUL 62	
A-GAMMA 1		316	US	28 JUN	14 SEP 62	
A-DELTA 1	COSMOS 6	338	USSR	30 JUN	08 AUG 62	
A-DELTA 2		339	USSR	30 JUN	08 SEP 62	
A-DELTA 3		342	US	18 JUL	25 JUL 62	
A-DELTA 4		343	US	18 JUL	27 JUL 62	
A-ZETA 1		344	US	21 JUL	14 AUG 62	
A-ZETA 2		346	USSR	28 JUL	01 AUG 62	
A-ETA 1	COSMOS 7	347	USSR	28 JUL	21 AUG 62	
A-IOTA 1		348	USSR	28 JUL	31 JUL 62	
A-IOTA 2		349	USSR	28 JUL	30 JUL 62	
A-IOTA 3		345	US	28 JUL	24 AUG 62	
A-IOTA 4		360	US	02 AUG	26 AUG 62	
A-THETA 1		362	US	02 AUG	08 AUG 62	
A-KAPPA 1		361	US	05 AUG	06 AUG 62	
A-KAPPA 2		363	USSR	11 AUG	15 AUG 62	
A-LAMBDA 1	VOSTOK 3	364	USSR	11 AUG	14 AUG 62	
A-MU 1		365	USSR	12 AUG	15 AUG 62	
A-MU 2	VOSTOK 4	366	USSR	12 AUG	14 AUG 62	
A-NU 1		367	USSR	18 AUG	17 AUG 63	
A-NU 2		368	USSR	18 AUG	19 AUG 62	
A-XI 1	COSMOS 8	370	US	23 AUG	02 MAR 80	
A-XI 2		371	US	23 AUG	12 AUG 92	
A OMICRON 2		378	USSR	25 AUG	28 AUG 62	
A OMICRON 3		372	USSR	25 AUG	02 SEP 62	
A-PI 1		373	USSR	25 AUG	31 AUG 62	
A-PI 2		379	USSR	25 AUG	05 SEP 62	
A-PI 3		380	USSR	25 AUG	30 AUG 62	
A-PI 4		376	USSR	25 AUG	06 SEP 62	
A-PI 5		386	USSR	25 AUG	08 SEP 62	
A-PI 6						
A-PI 7						

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
A-PI 8		387	USSR	25 AUG	05 SEP 62	
A-SIGMA 1		377	US	29 AUG	10 SEP 62	
A-TAU 1		381	USSR	01 SEP	06 SEP 62	
A-TAU 2		382	USSR	01 SEP	03 SEP 62	
A-TAU 3		383	USSR	01 SEP	01 OCT 62	
A-TAU 4		384	USSR	01 SEP	21 SEP 62	
A-UPSILON 1		385	US	01 SEP	26 OCT 64	
A-PHI 1		389	USSR	12 SEP	14 SEP 62	
A-PHI 2		390	USSR	12 SEP	12 SEP 62	
A-PHI 3		391	USSR	12 SEP	17 SEP 62	
A-PHI 4		392	USSR	12 SEP	13 SEP 62	
A-PHI 5		393	USSR	12 SEP	13 SEP 62	
A-PHI 6		394	USSR	12 SEP	16 SEP 62	
A-PHI 7		395	USSR	12 SEP	15 SEP 62	
A-CHI 1		396	US	17 SEP	16 NOV 62	
A-PSI 1	ERS 2	398	US	18 SEP	10 JAN 83	
A-PSI 2		400	US	18 SEP	05 APR 89	
A-PSI 4		422	USSR	27 SEP	01 OCT 62	
A-OMEGA 1		423	USSR	27 SEP	22 DEC 62	
A-OMEGA 2		425	USSR	27 SEP	06 OCT 62	
A-OMEGA 3		428	USSR	27 SEP	08 OCT 62	
A-OMEGA 4		429	USSR	27 SEP	04 OCT 62	
A-OMEGA 5		430	USSR	27 SEP	08 OCT 62	
A-OMEGA 6		431	USSR	27 SEP	03 OCT 62	
A-OMEGA 7		435	USSR	27 SEP	06 OCT 62	
A-OMEGA 8		427	US	29 SEP	14 OCT 62	
B-BETA 1	EXPLORER 14	432	US	02 OCT	01 JUL 66	
B-GAMMA 1		61000	US	02 OCT	02 DEC 62	
B-GAMMA 2		433	US	03 OCT	03 OCT 62	F*
B-DELTA 1	SIGMA 7	434	US	03 OCT	04 OCT 62	
B-DELTA 2		436	US	09 OCT	16 NOV 62	
B-EPSILON 1		437	US	17 OCT	21 OCT 62	
B-ZETA 1		438	USSR	17 OCT	05 NOV 62	
B-ZETA 2		441	USSR	17 OCT	18 MAY 64	
B-THETA 1		442	USSR	20 OCT	05 JUN 63	
B-THETA 2		443	USSR	24 OCT	29 OCT 62	
B-IOTA 1	SPUTNIK 29	485	USSR	24 OCT	10 DEC 62	
B-IOTA 10		486	USSR	24 OCT	30 NOV 62	
B-IOTA 11		487	USSR	24 OCT	01 DEC 62	
B-IOTA 12		491	USSR	24 OCT	25 DEC 62	
B-IOTA 13		492	USSR	24 OCT	15 DEC 62	
B-IOTA 14		493	USSR	24 OCT	21 DEC 62	
B-IOTA 15		494	USSR	24 OCT	17 DEC 62	
B-IOTA 16		495	USSR	24 OCT	26 DEC 62	
B-IOTA 17		496	USSR	24 OCT	23 DEC 62	
B-IOTA 18		497	USSR	24 OCT	26 DEC 62	
B-IOTA 19		456	USSR	24 OCT	02 DEC 62	
B-IOTA 2		458	USSR	24 OCT	10 DEC 62	
B-IOTA 20		499	USSR	24 OCT	09 DEC 62	
B-IOTA 21		500	USSR	24 OCT	28 DEC 62	
B-IOTA 22		501	USSR	24 OCT	26 DEC 62	
B-IOTA 23		512	USSR	24 OCT	31 DEC 62	
B-IOTA 24		457	USSR	24 OCT	26 FEB 63	
B-IOTA 3		459	USSR	24 OCT	29 NOV 62	
B-IOTA 4		458	USSR	24 OCT	24 DEC 62	
B-IOTA 5		459	USSR	24 OCT	08 DEC 62	
B-IOTA 6		460	USSR	24 OCT		

DECAYED OBJECTS					NOTES
INTER-NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	
B-IOTA 7		482	USSR	24 OCT	10 DEC 62
B-IOTA 8		483	USSR	24 OCT	02 JAN 63
B-IOTA 9		484	USSR	24 OCT	04 DEC 62
B-KAPPA 1		444	US	26 OCT	05 OCT 67
B LAMBDA 1	EXPLORER 15	445	US	27 OCT	19 DEC 78
BLAMBDA 3		5992	US	27 OCT	01 DEC 78
1971 LAUNCHES					
1971-000A		4924	US	27 OCT	22 DEC 83
1962 LAUNCHES					
B LAMBDA 2		61001	US	27 OCT	27 DEC 62
B-NU 1		448	USSR	01 NOV	03 NOV 62
B-NU 2		449	USSR	01 NOV	03 NOV 62
B-XI 1		451	USSR	04 NOV	05 NOV 62
B-XI 2		452	USSR	04 NOV	08 NOV 62
B-XI 3		454	USSR	04 NOV	19 JAN 63
B-XI 4		488	USSR	04 NOV	25 DEC 62
B-XI 5		489	USSR	04 NOV	27 DEC 62
B-OMICRON 1		453	US	05 NOV	03 DEC 62
B-PI 1		455	US	11 NOV	12 NOV 62
B-RHO 1		481	US	24 NOV	13 DEC 62
B-SIGMA 1		490	US	04 DEC	08 DEC 62
B-TAU 1		502	US	13 DEC	09 FEB 67
B-TAU 2	INJUN 3	504	US	13 DEC	25 AUG 68
B-TAU 3		507	US	13 DEC	01 JUL 63
B-TAU 4		508	US	13 DEC	18 JAN 66
B-TAU 5		513	US	13 DEC	05 FEB 67
B-TAU 6		520	US	13 DEC	24 MAR 68
B-PHI 1		505	US	14 DEC	08 JAN 63
B PSI 1	TRANSIT 5A	509	US	19 DEC	25 SEP 86
B PSI 3		519	US	19 DEC	21 OCT 89
B PSI 4		523	US	19 DEC	30 NOV 80
B PSI 5		7258	US	19 DEC	19 JUL 77
B-PSI 2		514	US	19 DEC	22 APR 69
B-OMEGA 1		517	USSR	22 DEC	30 DEC 62
B-OMEGA 2		518	USSR	22 DEC	22 JAN 63
1963 LAUNCHES					
1963-001A	SPUTNIK	521	USSR	04 JAN	05 JAN 63
1963-001B		522	USSR	04 JAN	11 JAN 63
1963-001C		524	USSR	04 JAN	11 JAN 63
1963-002A		525	US	07 JAN	24 JAN 63
1963-002B		526	US	07 JAN	16 JAN 63
1963-003A		527	US	16 JAN	09 JAN 69
1963-003B		528	US	16 JAN	08 NOV 63
1963-003C		529	US	16 JAN	31 DEC 63
1963-004B		532	US	14 FEB	02 NOV 81
1963-005A		533	US	19 FEB	26 DEC 79
1963-005B		534	US	19 FEB	29 MAY 84
1963-005C		535	US	19 FEB	29 JUN 69
1963-005D		536	US	19 FEB	18 JUL 78
1963-006A	COSMOS 13	554	USSR	21 MAR	29 MAR 63

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1963-006B		555	USSR	21 MAR	09 APR 63	
1963-007A		562	US	01 APR	26 APR 63	
1963-008A		563	USSR	02 APR	03 APR 63	
1963-009A	EXPLORER 17	564	US	03 APR	24 NOV 66	
1963-009B		565	US	03 APR	24 NOV 63	
1963-010A		567	USSR	13 APR	29 AUG 63	
1963-010B		568	USSR	13 APR	06 JUL 63	
1963-011A		569	USSR	22 APR	27 APR 63	
1963-011B		570	USSR	22 APR	01 MAY 63	
1963-012A		571	USSR	28 APR	08 MAY 63	
1963-012B		572	US	28 APR	20 MAY 63	
1963-014AE		2497	US	09 MAY	30 MAR 81	
1963-014AF		2499	US	09 MAY	12 APR 77	
1963-014AG		2500	US	09 MAY	19 NOV 74	
1963-014AH		2522	US	09 MAY	18 JAN 78	
1963-014AL		2532	US	09 MAY	17 OCT 87	
1963-014AM		2533	US	09 MAY	03 JAN 77	
1963-014AN		2638	US	09 MAY	15 DEC 81	
1963-014AP		2793	US	09 MAY	25 FEB 71	
1963-014AW		3105	US	09 MAY	07 JUN 73	
1963-014AX		3159	US	09 MAY	18 FEB 68	
1963-014AY		3175	US	09 MAY	21 MAY 68	
1963-014BA		3236	US	09 MAY	10 MAY 79	
1963-014BF		3241	US	09 MAY	28 MAY 70	
1963-014BG		3242	US	09 MAY	17 OCT 87	
1963-014BK		3243	US	09 MAY	17 OCT 87	
1963-014BL		3245	US	09 MAY	30 OCT 76	
1963-014BM		3246	US	09 MAY	17 OCT 87	
1963-014BN		3247	US	09 MAY	17 OCT 87	
1963-014BP		3248	US	09 MAY	04 APR 77	
1963-014BQ		3249	US	09 MAY	17 OCT 87	
1963-014BR		3250	US	09 MAY	28 SEP 80	
1963-014BS		3251	US	09 MAY	18 JAN 90	
1963-014BT		3252	US	09 MAY	17 OCT 87	
1963-014BU		3253	US	09 MAY	30 MAY 73	
1963-014BV		3254	US	09 MAY	17 OCT 87	
1963-014BW		3255	US	09 MAY	02 NOV 69	
1963-014BY		3256	US	09 MAY	30 OCT 76	
1963-014BZ		3258	US	09 MAY	12 APR 77	
1963-014CA		3259	US	09 MAY	08 AUG 69	
1963-014CB		3260	US	09 MAY	30 OCT 76	
1963-014CC		3261	US	09 MAY	17 JUN 69	
1963-014CD		3262	US	09 MAY	17 OCT 87	
1963-014CE		3263	US	09 MAY	04 JUL 69	
1963-014CG		3264	US	09 MAY	17 OCT 87	
1963-014CH		3268	US	09 MAY	17 OCT 87	
1963-014CJ		3324	US	09 MAY	01 AUG 69	
1963-014CK		3329	US	09 MAY	14 DEC 90	
1963-014CL		3330	US	09 MAY	17 OCT 87	
1963-014CM		3756	US	09 MAY	03 FEB 70	
1963-014CN		5035	US	09 MAY	17 OCT 87	
1963-014CP		5182	US	09 MAY	24 SEP 84	
1963-014CQ		5500	US	09 MAY	17 OCT 87	
1963-014CR		5503	US	09 MAY	23 JAN 77	
1963-014CS		5511	US	09 MAY	03 JAN 77	
		5512	US	09 MAY	23 JAN 75	
				09 MAY	05 DEC 76	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1963-014CT		5513	US	09 MAY	19 FEB 75	
1963-014CU		5702	US	09 MAY	17 OCT 87	
1963-014CV		5916	US	09 MAY	26 APR 72	
1963-014CW		5953	US	09 MAY	21 SEP 85	
1963-014CX		5954	US	09 MAY	22 NOV 82	
1963-014CZ		5993	US	09 MAY	20 AUG 74	
1963-014DB		5995	US	09 MAY	17 OCT 87	
1963-014DC		5996	US	09 MAY	30 OCT 76	
1963-014DD		5997	US	09 MAY	21 NOV 73	
1963-014DE		9694	US	09 MAY	22 NOV 82	
1963-014DF		11581	US	09 MAY	17 OCT 87	
1963-014EF		19058	US	09 MAY	28 MAR 89	
1963-014ES		19880	US	09 MAY	16 DEC 91	
1966 LAUNCHES						
1966-000B		2429	US	09 MAY	01 JAN 79	Q*
1966-000C		2430	US	09 MAY	01 JAN 79	Q*
1963 LAUNCHES						
1963-015A	FAITH 7	576	US	15 MAY	16 MAY 63	F*
1963-015B		577	US	15 MAY	16 MAY 63	
1963-016A		578	US	18 MAY	27 MAY 63	
1963-017A	COSMOS 17	580	USSR	22 MAY	02 JUN 65	
1963-017B		581	USSR	22 MAY	26 AUG 63	
1963-017C		582	USSR	22 MAY	12 MAY 65	
1963-017D		583	USSR	22 MAY	30 AUG 63	
1963-017E		584	USSR	22 MAY	25 JUL 63	
1963-017F		585	USSR	22 MAY	30 SEP 63	
1963-017G		588	USSR	22 MAY	02 APR 64	
1963-018A	COSMOS 18	586	USSR	24 MAY	02 JUN 63	
1963-018B		587	USSR	24 MAY	08 JUN 63	
1963-019A		590	US	12 JUN	11 JUL 63	
1963-020A	VOSTOK 5	591	USSR	14 JUN	19 JUN 63	
1963-020B		592	USSR	14 JUN	16 JUN 63	
1963-021A		593	US	15 JUN	07 AUG 63	
1963-021B	LOFTI 2A	601	US	15 JUN	18 JUL 63	
1963-021C	SOLRAD 6	599	US	15 JUN	01 AUG 63	
1963-021D	RADOSE	600	US	15 JUN	30 JUL 63	
1963-021E		598	US	15 JUN	27 JUL 63	
1963-021F		597	US	15 JUN	05 JUL 63	
1963-021G		617	US	15 JUN	03 JUL 63	
1963-022A		594	US	16 JUN	03 AUG 90	
1963-022C		610	US	16 JUN	15 NOV 91	
1963-022D		611	US	16 JUN	01 MAR 71	
1963-023A	VOSTOK 6	595	USSR	16 JUN	19 JUN 63	E*
1963-023B		596	USSR	16 JUN	18 JUN 63	
1963-024B		605	US	19 JUN	23 DEC 78	
1963-024C		606	US	19 JUN	09 JUN 88	
1963-024D		607	US	19 JUN	01 FEB 80	
1963-025A		609	US	27 JUN	26 JUL 63	
1963-026A	RESEARCH SATELLITE FOR GEOPHYSICS	612	US	28 JUN	14 DEC 83	
1963-027A		613	US	29 JUN	26 OCT 69	
1963-027B		615	US	29 JUN	15 NOV 64	

DECAYED OBJECTS

INTER-NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1963-027C		616	US	29 JUN	10 JUL 63	
1963-028A		618	US	12 JUL	18 JUL 63	
1963-028B		619	US	12 JUL	13 JUL 63	
1963-028C		620	US	12 JUL	16 JUL 63	
1963-029A		621	US	18 JUL	13 AUG 63	
1963-029B		623	US	18 JUL	29 JUL 63	
1963-030D		624	US	18 JUL	12 APR 71	
1963-031B		625	US	18 JUL	09 JUL 89	
1963-032A		626	US	31 JUL	11 AUG 63	
1963-032B		627	US	31 JUL	10 AUG 63	
1963-033A	COSMOS 19	632	USSR	06 AUG	30 MAR 64	
1963-033B		633	USSR	06 AUG	09 DEC 63	
1963-034A		636	US	24 AUG	12 SEP 63	
1963-034B		642	US	24 AUG	08 SEP 63	
1963-035A		637	US	29 AUG	07 NOV 63	
1963-035B		638	US	29 AUG	29 SEP 63	
1963-035C		639	US	29 AUG	02 SEP 63	
1963-035D		640	US	29 AUG	01 SEP 63	
1963-036A		641	US	06 SEP	13 SEP 63	
1963-036B		663	US	06 SEP	14 SEP 63	
1963-036C		664	US	06 SEP	10 SEP 63	
1963-036D		665	US	06 SEP	08 SEP 63	
1963-036E		666	US	06 SEP	11 SEP 63	
1963-036F		667	US	06 SEP	10 SEP 63	
1963-037A		668	US	24 SEP	12 OCT 63	
1963-037A		7259	US	28 SEP	06 NOV 82	
1963-038H	ERS 12	675	US	17 OCT	01 JUL 65	
1963-039B		673	USSR	18 OCT	26 OCT 63	
1963-040A	COSMOS 20	676	USSR	18 OCT	31 OCT 63	
1963-040B		677	US	25 OCT	29 OCT 63	
1963-041A		678	US	25 OCT	29 OCT 63	
1963-041B		679	US	25 OCT	29 OCT 63	
1963-041C		680	US	25 OCT	29 OCT 63	
1963-041D		681	US	25 OCT	29 OCT 63	
1963-042A		682	US	29 OCT	21 JAN 64	
1963-042B		682	US	29 OCT	23 MAY 65	
1963-042C		691	US	29 OCT	27 NOV 63	
1963-043A	POLYOT 1	683	USSR	01 NOV	16 OCT 82	
1963-043B		684	USSR	01 NOV	23 NOV 66	
1963-043C		685	USSR	01 NOV	29 OCT 65	
1963-043D		686	USSR	01 NOV	18 DEC 66	
1963-044A	COSMOS 21	687	USSR	11 NOV	14 NOV 63	
1963-044B		688	USSR	11 NOV	12 NOV 63	
1963-045A	COSMOS 22	689	USSR	16 NOV	22 NOV 63	
1963-045B		690	USSR	16 NOV	03 DEC 63	
1963-046A	EXPLORER 18	693	US	27 NOV	30 DEC 65	
1963-047B		696	US	27 NOV	20 MAR 92	
1963-047C		697	US	27 NOV	24 JUN 89	
1963-047E		699	US	27 NOV	04 MAR 85	
1963-047J		1994	US	27 NOV	30 JUL 89	
1963-047M		3922	US	27 NOV	10 APR 91	
1963-047N		6004	US	27 NOV	17 FEB 80	
1963-047P		6158	US	27 NOV	22 NOV 73	
1963-047R		14529	US	27 NOV	15 OCT 91	
1963-047S		14841	US	27 NOV	22 JAN 90	
1963-047U		19110	US	27 NOV	26 FEB 90	
1963-048A		695	US	27 NOV	15 DEC 63	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1963-049J		2930	US	05 DEC	14 OCT 79	
1963-049K		4586	US	05 DEC	01 JUN 79	
1963-049L		6182	US	05 DEC	09 AUG 80	
1963-049M		6283	US	05 DEC	20 JUN 79	
1963-050A	COSMOS 23	707	USSR	13 DEC	27 MAR 64	
1963-050B		708	USSR	13 DEC	06 MAR 64	
1963-050C		709	USSR	13 DEC	03 JAN 64	
1963-050D		710	USSR	13 DEC	01 JAN 64	
1963-051A		711	US	18 DEC	20 DEC 63	
1963-052A	COSMOS 24	712	USSR	19 DEC	25 JAN 64	
1963-052B		713	USSR	19 DEC	10 MAY 81	
1963-053A	EXPLORER 19	714	US	19 DEC	12 NOV 82	
1963-053D		723	US	19 DEC	23 DEC 74	
1963-053F		725	US	19 DEC	05 OCT 90	
1963-054B		717	US	21 DEC	25 NOV 81	
1963-054D		736	US	21 DEC	08 JAN 64	
1963-055A		718	US	21 DEC	07 NOV 64	
1963-055B		719	US	21 DEC		
1964 LAUNCHES						
1964-004A	ECHO 2	740	US	25 JAN	07 JUN 69	
1964-004E		749	US	25 JAN	23 FEB 66	
1964-005A	SATURN 5	744	US	29 JAN	30 APR 66	
1964-006AE		21621	USSR	30 JAN	06 AUG 91	
1964-006E		14427	USSR	30 JAN	03 JAN 90	
1964-006F		14428	USSR	30 JAN	02 FEB 89	
1964-006G		15786	USSR	30 JAN	03 JAN 90	
1964-006H		16544	USSR	30 JAN	17 APR 90	
1964-006J		16545	USSR	30 JAN	02 FEB 89	
1964-006K		16546	USSR	30 JAN	02 FEB 89	
1964-006L		16547	USSR	30 JAN	03 JAN 90	
1964-006M		16548	USSR	30 JAN	03 JAN 90	
1964-006P		18686	USSR	30 JAN	17 OCT 88	
1964-006Q		18966	USSR	30 JAN	03 JAN 90	
1964-006R		19010	USSR	30 JAN	03 JAN 90	
1964-006V		19992	USSR	30 JAN	15 MAR 90	
1964-007A	RANGER 6	747	US	30 JAN	02 FEB 64	
1964-008A		752	US	30 JAN	09 MAR 64	
1964-008B		755	US	15 FEB	21 FEB 64	
1964-009A		754	US	25 FEB	01 MAR 64	
1964-009B		756	US	25 FEB	26 FEB 64	
1964-010A	COSMOS 25	757	USSR	27 FEB	21 NOV 64	
1964-010B		758	USSR	27 FEB	04 MAR 64	
1964-010C		762	USSR	27 FEB	23 APR 64	
1964-010D		763	USSR	27 FEB	19 FEB 69	
1964-011A		759	US	28 FEB	17 AUG 65	
1964-011B		760	US	28 FEB	21 SEP 65	
1964-011C		761	US	28 FEB	01 MAR 67	
1964-011D		2663	US	28 FEB	16 MAR 64	
1964-012A		764	US	11 MAR	12 MAY 64	
1964-012B		765	US	18 MAR	28 SEP 64	
1964-013A	COSMOS 26	766	USSR	18 MAR	17 MAY 64	
1964-013B		767	USSR	18 MAR	04 MAY 64	
1964-013C		768	USSR	18 MAR	25 NOV 64	
1964-013D		769	USSR	18 MAR		

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1964-014A	COSMOS 27	770	USSR	27 MAR	28 MAR 64	
1964-014B		772	USSR	27 MAR	29 MAR 64	
1964-014C		773	USSR	27 MAR	31 MAR 64	
1964-014D	ARIEL 2	774	USSR	27 MAR	04 APR 64	
1964-015A		771	UK	27 MAR	18 NOV 67	
1964-015B		775	US	27 MAR	13 APR 64	
1964-015C		847	US	27 MAR	06 MAY 68	
1964-016A	ZOND 1	776	USSR	02 APR	03 APR 64	
1964-016B		777	USSR	02 APR	02 APR 64	
1964-016C		778	USSR	02 APR	05 APR 64	
1964-017A	COSMOS 28	779	USSR	04 APR	12 APR 64	
1964-017B		780	USSR	04 APR	03 MAY 64	
1964-017C		781	US	04 APR	07 APR 64	
1964-018A	GEMINI 1	782	USSR	08 APR	12 APR 64	
1964-019A		783	USSR	12 APR	08 MAY 64	
1964-019B		784	USSR	12 APR	08 JUN 66	
1964-020A	POLYOT 2	786	US	23 APR	29 APR 64	
1964-020B		787	US	23 APR	26 APR 64	
1964-020C		788	US	23 APR	25 APR 64	
1964-020D		789	US	23 APR	25 APR 64	
1964-020E		790	US	23 APR	25 APR 64	
1964-021A	COSMOS 29	791	USSR	25 APR	02 MAY 64	
1964-021B		792	USSR	25 APR	11 MAY 64	
1964-021C		793	USSR	25 APR	27 APR 64	
1964-021D		794	USSR	25 APR	28 APR 64	
1964-021E		795	USSR	25 APR	27 APR 64	
1964-022A		796	US	27 APR	26 MAY 64	
1964-023A	COSMOS 30	797	USSR	18 MAY	26 MAY 64	
1964-023B		798	USSR	18 MAY	07 JUN 64	
1964-024A		799	US	19 MAY	22 MAY 64	
1964-025A	SATURN 6	800	US	28 MAY	01 JUN 64	
1964-026F		12142	US	04 JUN	25 OCT 81	
1964-026G		13360	US	04 JUN	11 JAN 88	
1964-027A		802	US	04 JUN	18 JUN 64	
1964-028A	COSMOS 31	803	USSR	06 JUN	20 OCT 64	
1964-028B		804	USSR	06 JUN	16 AUG 64	
1964-029A	COSMOS 32	807	USSR	10 JUN	18 JUN 64	
1964-029B		808	USSR	10 JUN	14 JUL 64	
1964-029C		810	USSR	10 JUN	12 JUN 64	
1964-030A		811	US	13 JUN	02 JUN 65	
1964-030B		820	US	13 JUN	07 AUG 64	
1964-032A		814	US	19 JUN	16 JUL 64	
1964-032B		821	US	19 JUN	02 JUL 64	
1964-033A	COSMOS 33	816	USSR	23 JUN	01 JUL 64	
1964-033B		817	USSR	23 JUN	10 JUL 64	
1964-033C		818	USSR	23 JUN	24 JUN 64	
1964-033D		819	USSR	23 JUN	24 JUN 64	
1964-034A	COSMOS 34	822	USSR	01 JUL	09 JUL 64	
1964-034B		823	USSR	01 JUL	15 JUL 64	
1964-035A		824	US	01 JUL	07 AUG 69	
1964-036A		825	US	06 JUL	08 JUL 64	
1964-036B		826	US	06 JUL	03 JAN 65	
1964-036C		827	US	06 JUL	19 JUL 64	
1964-037A		828	US	10 JUL	06 AUG 64	
1964-038B	ELEKTRON 4	830	USSR	10 JUL	12 OCT 83	
1964-038D		832	USSR	10 JUL	24 AUG 83	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1964-038E		5892	USSR	10 JUL	20 FEB 74	
1964-038F		5893	USSR	10 JUL	20 NOV 74	
1964-039A	COSMOS 35	833	USSR	15 JUL	23 JUL 64	
1964-039B		834	USSR	15 JUL	01 AUG 64	
1964-039C		835	USSR	15 JUL	31 JUL 64	
1964-039D		839	USSR	15 JUL	25 JUL 64	
1964-040C	ERS 13	838	US	17 JUL	01 JUL 66	
1964-041A	RANGER 7	842	US	28 JUL	31 JUL 64	G*
1964-042A	COSMOS 36	844	USSR	30 JUL	28 FEB 65	
1964-042B		845	USSR	30 JUL	29 NOV 64	
1964-043A		846	US	05 AUG	01 SEP 64	
1964-044A	COSMOS 37	848	USSR	14 AUG	22 AUG 64	
1964-044B		849	USSR	14 AUG	03 SEP 64	
1964-045A		850	US	14 AUG	23 AUG 64	
1964-045B		851	US	14 AUG	08 MAR 79	
1964-045C		852	US	14 AUG	16 AUG 64	
1964-046A	COSMOS 38	853	USSR	18 AUG	08 NOV 64	
1964-046B	COSMOS 39	854	USSR	18 AUG	17 NOV 64	
1964-046C	COSMOS 40	855	USSR	18 AUG	18 NOV 64	
1964-046D		856	USSR	18 AUG	19 FEB 65	
1964-046E		857	USSR	18 AUG	10 SEP 64	
1964-046F		859	USSR	18 AUG	06 SEP 64	
1964-046G		860	USSR	18 AUG	06 SEP 64	
1964-048A		861	US	21 AUG	31 MAR 65	
1964-049A		863	USSR	22 AUG	15 SEP 64	
1964-049B		865	USSR	22 AUG	28 SEP 64	
1964-050A	COSMOS 42	868	USSR	22 AUG	30 AUG 64	
1964-050B		864	USSR	22 AUG	19 DEC 65	
1964-050C	COSMOS 43	866	USSR	22 AUG	02 AUG 65	
1964-051C		867	USSR	22 AUG	27 DEC 65	
1964-051D		873	US	25 AUG	18 APR 68	
1964-051E		874	US	25 AUG	17 JUN 68	
1964-052A	NIMBUS 1	875	US	25 AUG	16 SEP 68	
1964-052B		872	US	28 AUG	16 MAY 74	
1964-055A	COSMOS 45	878	US	28 AUG	13 AUG 74	
1964-055B		880	USSR	13 SEP	18 SEP 64	
1964-056A		881	USSR	13 SEP	27 SEP 64	
1964-056B		882	US	14 SEP	06 OCT 64	
1964-057A	SATURN 7	888	US	14 SEP	22 SEP 64	
1964-058A		883	US	18 SEP	22 SEP 64	
1964-058B		884	US	23 SEP	28 SEP 64	
1964-059A	COSMOS 46	887	US	23 SEP	26 SEP 64	
1964-059B		885	USSR	24 SEP	02 OCT 64	
1964-060A	EXPLORER 21	886	USSR	24 SEP	07 OCT 64	
1964-061A		889	US	04 OCT	30 JAN 66	
1964-062A	COSMOS 47	890	US	05 OCT	26 OCT 64	
1964-062B		891	USSR	06 OCT	07 OCT 64	
1964-062C		892	USSR	06 OCT	14 OCT 64	
1964-062D		894	USSR	06 OCT	09 OCT 64	
1964-062E		895	USSR	06 OCT	12 OCT 64	
1964-065A	VOSKHOD 1	896	USSR	12 OCT	09 OCT 64	
1964-065B		904	USSR	12 OCT	13 OCT 64	
1964-065C		905	USSR	12 OCT	20 OCT 64	
1964-066A	COSMOS 48	906	USSR	14 OCT	13 OCT 64	
1964-066B		908	USSR	14 OCT	20 OCT 64	
		909	USSR	14 OCT	28 OCT 64	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1964-066C		910	USSR	14 OCT	16 OCT 64	
1964-067A		911	US	17 OCT	04 NOV 64	
1964-068A		912	US	23 OCT	28 OCT 64	
1964-068B		914	US	23 OCT	23 FEB 65	
1964-068C		916	US	23 OCT	04 NOV 64	
1964-068D		918	US	23 OCT	29 OCT 64	
1964-069A		913	USSR	24 OCT	21 AUG 65	
1964-069B	COSMOS 49	917	USSR	24 OCT	17 NOV 64	
1964-069C		915	USSR	24 OCT	10 FEB 65	
1964-070A		919	USSR	28 OCT	05 NOV 64	
1964-070AA		1012	USSR	28 OCT	10 NOV 64	
1964-070AB		1013	USSR	28 OCT	09 NOV 64	
1964-070AC		1014	USSR	28 OCT	17 NOV 64	
1964-070AD		1015	USSR	28 OCT	12 NOV 64	
1964-070AE		1016	USSR	28 OCT	13 NOV 64	
1964-070AF		1017	USSR	28 OCT	11 NOV 64	
1964-070AG		1018	USSR	28 OCT	13 NOV 64	
1964-070AH		1019	USSR	28 OCT	11 NOV 64	
1964-070AJ		1020	USSR	28 OCT	14 NOV 64	
1964-070AK		1021	USSR	28 OCT	13 NOV 64	
1964-070AL		1022	USSR	28 OCT	12 NOV 64	
1964-070AM		1023	USSR	28 OCT	14 NOV 64	
1964-070AN		1024	USSR	28 OCT	13 NOV 64	
1964-070AP		1025	USSR	28 OCT	12 NOV 64	
1964-070AQ		1026	USSR	28 OCT	13 NOV 64	
1964-070AR		1027	USSR	28 OCT	12 NOV 64	
1964-070AS		1028	USSR	28 OCT	13 NOV 64	
1964-070AT		1029	USSR	28 OCT	12 NOV 64	
1964-070AU		1030	USSR	28 OCT	13 NOV 64	
1964-070AV		1031	USSR	28 OCT	16 NOV 64	
1964-070AW		1032	USSR	28 OCT	10 NOV 64	
1964-070AX		1033	USSR	28 OCT	09 NOV 64	
1964-070AY		1034	USSR	28 OCT	13 NOV 64	
1964-070AZ		1035	USSR	28 OCT	02 NOV 64	
1964-070B		920	USSR	28 OCT	12 NOV 64	
1964-070BA		1036	USSR	28 OCT	12 NOV 64	
1964-070BB		1037	USSR	28 OCT	15 NOV 64	
1964-070BC		1038	USSR	28 OCT	13 NOV 64	
1964-070BD		1039	USSR	28 OCT	13 NOV 64	
1964-070BE		1040	USSR	28 OCT	12 NOV 64	
1964-070BF		1041	USSR	28 OCT	13 NOV 64	
1964-070BG		1042	USSR	28 OCT	17 NOV 64	
1964-070BH		1043	USSR	28 OCT	17 NOV 64	
1964-070BJ		1044	USSR	28 OCT	17 NOV 64	
1964-070BK		1045	USSR	28 OCT	17 NOV 64	
1964-070BL		1046	USSR	28 OCT	17 NOV 64	
1964-070BM		1047	USSR	28 OCT	17 NOV 64	
1964-070BN		1048	USSR	28 OCT	17 NOV 64	
1964-070BP		1049	USSR	28 OCT	17 NOV 64	
1964-070BQ		1050	USSR	28 OCT	17 NOV 64	
1964-070BR		1051	USSR	28 OCT	17 NOV 64	
1964-070BS		1052	USSR	28 OCT	17 NOV 64	
1964-070BT		1053	USSR	28 OCT	17 NOV 64	
1964-070BU		1054	USSR	28 OCT	17 NOV 64	
1964-070BV		1055	USSR	28 OCT	17 NOV 64	
1964-070BW		1056	USSR	28 OCT	17 NOV 64	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1964-070BX		1057	USSR	28 OCT	12 NOV 64	
1964-070BY		1058	USSR	28 OCT	13 NOV 64	
1964-070BZ		1059	USSR	28 OCT	11 NOV 64	
1964-070C		928	USSR	28 OCT	13 NOV 64	
1964-070CA		1060	USSR	28 OCT	10 NOV 64	
1964-070CB		1061	USSR	28 OCT	09 NOV 64	
1964-070CC		1062	USSR	28 OCT	16 NOV 64	
1964-070CD		1063	USSR	28 OCT	11 NOV 64	
1964-070CE		1064	USSR	28 OCT	15 NOV 64	
1964-070CF		1065	USSR	28 OCT	17 NOV 64	
1964-070CG		1066	USSR	28 OCT	11 NOV 64	
1964-070CH		1067	USSR	28 OCT	17 NOV 64	
1964-070CJ		1068	USSR	28 OCT	14 NOV 64	
1964-070CK		1069	USSR	28 OCT	16 NOV 64	
1964-070CL		1070	USSR	28 OCT	13 NOV 64	
1964-070CM		1071	USSR	28 OCT	12 NOV 64	
1964-070CN		1072	USSR	28 OCT	10 NOV 64	
1964-070CP		1073	USSR	28 OCT	12 NOV 64	
1964-070CQ		1074	USSR	28 OCT	13 NOV 64	
1964-070CR		1075	USSR	28 OCT	13 NOV 64	
1964-070CS		1076	USSR	28 OCT	13 NOV 64	
1964-070CT		1077	USSR	28 OCT	14 NOV 64	
1964-070CU		1078	USSR	28 OCT	12 NOV 64	
1964-070CV		1079	USSR	28 OCT	12 NOV 64	
1964-070CW		1080	USSR	28 OCT	17 NOV 64	
1964-070CX		1081	USSR	28 OCT	11 NOV 64	
1964-070CY		1082	USSR	28 OCT	11 NOV 64	
1964-070CZ		1083	USSR	28 OCT	11 NOV 64	
1964-070D		929	USSR	28 OCT	15 NOV 64	
1964-070DA		1084	USSR	28 OCT	11 NOV 64	
1964-070E		989	USSR	28 OCT	11 NOV 64	
1964-070F		990	USSR	28 OCT	13 NOV 64	
1964-070G		991	USSR	28 OCT	11 NOV 64	
1964-070H		992	USSR	28 OCT	08 NOV 64	
1964-070J		993	USSR	28 OCT	13 NOV 64	
1964-070K		994	USSR	28 OCT	12 NOV 64	
1964-070L		995	USSR	28 OCT	13 NOV 64	
1964-070M		996	USSR	28 OCT	11 NOV 64	
1964-070N		997	USSR	28 OCT	12 NOV 64	
1964-070P		998	USSR	28 OCT	14 NOV 64	
1964-070Q		999	USSR	28 OCT	10 NOV 64	
1964-070R		1003	USSR	28 OCT	12 NOV 64	
1964-070S		1004	USSR	28 OCT	11 NOV 64	
1964-070T		1005	USSR	28 OCT	14 NOV 64	
1964-070U		1006	USSR	28 OCT	12 NOV 64	
1964-070V		1007	USSR	28 OCT	12 NOV 64	
1964-070W		1008	USSR	28 OCT	12 NOV 64	
1964-070X		1009	USSR	28 OCT	13 NOV 64	
1964-070Y		1010	USSR	28 OCT	13 NOV 64	
1964-070Z		1011	USSR	28 OCT	13 NOV 64	
1964-071A		921	US	02 NOV	09 NOV 64	
1964-072A		922	US	04 NOV	05 NOV 69	
1964-072B		925	US	04 NOV	02 OCT 67	
1964-072C		926	US	04 NOV	30 JUN 66	
1964-072D		927	US	04 NOV	30 JUN 66	
1964-074A	EXPLORER 23	924	US	06 NOV	29 JUN 83	

DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY				
1964-074B		3747	US	06 NOV	13 JUN 73				
1964-074C		4019	US	06 NOV	15 JUL 69				
1964-074D		6731	US	06 NOV	02 JAN 74				
1964-074E		6732	US	06 NOV	29 MAY 74				
1964-075A		930	US	18 NOV	06 DEC 64				
1964-076A	EXPLORER 24	931	US	21 NOV	18 OCT 68				
1964-076D		934	US	21 NOV	02 OCT 82				
1964-076E		935	US	21 NOV	28 MAY 84				
1964-076F		936	US	21 NOV	03 APR 68				
1964-076G		937	US	21 NOV	19 APR 81				
1964-076H		939	US	21 NOV	30 APR 68				
1964-076J		941	US	21 NOV	22 FEB 79				
1964-076K		960	US	21 NOV	30 APR 89				
1964-076L		1411	US	21 NOV	05 MAR 68				
1964-076M		4079	US	21 NOV	21 OCT 71				
1964-076N		940	USSR	30 NOV	13 MAR 81				
1964-078A		943	USSR	30 NOV	01 DEC 64				
1964-078B		944	US	04 DEC	05 DEC 64				
1964-079A		946	USSR	09 DEC	14 NOV 65				
1964-080A	COSMOS 51	947	USSR	09 DEC	11 MAY 65				
1964-080B		948	USSR	09 DEC	29 DEC 64				
1964-080C		950	USSR	09 DEC	01 JAN 65				
1964-080D		952	USSR	09 DEC	01 JAN 65				
1964-080E		954	USSR	09 DEC	02 JAN 65				
1964-080F		955	USSR	09 DEC	13 DEC 64				
1964-081A		949	US	10 DEC	12 DEC 64				
1964-082A	CENTAUR 4	951	US	11 DEC	10 JUN 82				
1964-083E		966	US	13 DEC	07 JAN 80				
1964-083H		1528	US	13 DEC	24 SEP 80				
1964-083K		2798	US	13 DEC	18 JAN 79				
1964-083L		5444	US	13 DEC	20 FEB 79				
1964-083M		5540	US	13 DEC	13 SEP 65				
1964-084A	SAN MARCO 1	957	ITALY	15 DEC	07 FEB 65				
1964-084B		958	US	15 DEC	21 JAN 65				
1964-084C		962	US	19 DEC	14 JAN 65				
1964-085A		961	US	19 DEC	19 DEC 83				
1964-086B		4925	US	21 DEC	07 MAY 82				
1964-086C		4926	US	21 DEC	01 FEB 72				
1964-086D		5820	US	21 DEC	11 JAN 65				
1964-087A		964	US	21 DEC	19 JAN 65				
1965 LAUNCHES									
1965-001A	COSMOS 52	968	USSR	11 JAN	19 JAN 65				
1965-001B		969	USSR	11 JAN	29 JAN 65				
1965-001C		970	USSR	11 JAN	13 JAN 65				
1965-001D		971	USSR	11 JAN	14 JAN 65				
1965-002A		972	US	15 JAN	09 FEB 65				
1965-002B		982	US	15 JAN	30 JAN 65				
1965-003A		973	US	19 JAN	13 JUL 79				
1965-003B		974	US	19 JAN	17 JUN 65				
1965-003C		975	US	19 JAN	09 JUL 65				
1965-005A		980	US	23 JAN	29 JAN 65				
1965-005B		981	US	23 JAN	25 JAN 65				
1965-006A	COSMOS 53	983	USSR	30 JAN	12 AUG 66				
1965-006B		984	USSR	30 JAN	11 JAN 66				

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1965-006C		985	USSR	30 JAN	05 MAR 65	
1965-006D		986	USSR	30 JAN	04 MAR 65	
1965-007A	OSO 2	987	US	03 FEB	09 AUG 89	
1965-007B		988	US	03 FEB	11 SEP 77	
1965-009A	PEGASUS 1	1085	US	16 FEB	17 SEP 78	
1965-009B		1088	US	16 FEB	10 JUL 85	
1965-010A		1086	US	17 FEB	20 FEB 65	
1965-011A	RANGER 8	1089	USSR	21 FEB	15 SEP 68	G*
1965-011B	COSMOS 54	1090	USSR	21 FEB	02 FEB 68	
1965-011C	COSMOS 55	1091	USSR	21 FEB	02 NOV 67	
1965-011D	COSMOS 56	1092	USSR	21 FEB	23 DEC 69	
1965-011E		1094	USSR	21 FEB	08 APR 66	
1965-012A		1093	USSR	22 FEB	22 FEB 65	
1965-012AA		1122	USSR	22 FEB	01 MAR 65	
1965-012AB		1123	USSR	22 FEB	27 FEB 65	
1965-012AC		1124	USSR	22 FEB	02 MAR 65	
1965-012AD		1125	USSR	22 FEB	02 MAR 65	
1965-012AE		1126	USSR	22 FEB	01 MAR 65	
1965-012AF		1127	USSR	22 FEB	28 FEB 65	
1965-012AG		1128	USSR	22 FEB	05 MAR 65	
1965-012AH		1129	USSR	22 FEB	05 MAR 65	
1965-012AJ		1130	USSR	22 FEB	11 MAR 65	
1965-012AK		1131	USSR	22 FEB	07 MAR 65	
1965-012AL		1132	USSR	22 FEB	07 MAR 65	
1965-012AM		1133	USSR	22 FEB	21 MAR 65	
1965-012AN		1134	USSR	22 FEB	19 MAR 65	
1965-012AP		1135	USSR	22 FEB	13 MAR 65	
1965-012AQ		1136	USSR	22 FEB	17 MAR 65	
1965-012AR		1137	USSR	22 FEB	09 MAR 65	
1965-012AS		1138	USSR	22 FEB	08 MAR 65	
1965-012AT		1139	USSR	22 FEB	10 MAR 65	
1965-012AU		1140	USSR	22 FEB	25 MAR 65	
1965-012AV		1141	USSR	22 FEB	10 MAR 65	
1965-012AW		1142	USSR	22 FEB	14 MAR 65	
1965-012AX		1143	USSR	22 FEB	20 MAR 65	
1965-012AY		1144	USSR	22 FEB	21 MAR 65	
1965-012AZ		1145	USSR	22 FEB	21 MAR 65	
1965-012B		1095	USSR	22 FEB	05 MAR 65	
1965-012BA		1146	USSR	22 FEB	17 MAR 65	
1965-012BB		1147	USSR	22 FEB	16 MAR 65	
1965-012BC		1148	USSR	22 FEB	11 MAR 65	
1965-012BD		1149	USSR	22 FEB	19 MAR 65	
1965-012BE		1150	USSR	22 FEB	17 MAR 65	
1965-012BF		1151	USSR	22 FEB	10 MAR 65	
1965-012BG		1152	USSR	22 FEB	16 MAR 65	
1965-012BH		1153	USSR	22 FEB	07 MAR 65	
1965-012BJ		1154	USSR	22 FEB	07 MAR 65	
1965-012BK		1155	USSR	22 FEB	07 MAR 65	
1965-012BL		1156	USSR	22 FEB	18 MAR 65	
1965-012BM		1157	USSR	22 FEB	13 MAR 65	
1965-012BN		1158	USSR	22 FEB	04 MAR 65	
1965-012BP		1159	USSR	22 FEB	18 MAR 65	
1965-012BQ		1160	USSR	22 FEB	04 MAR 65	
1965-012BR		1161	USSR	22 FEB	05 MAR 65	
1965-012BS		1162	USSR	22 FEB	25 MAR 65	
1965-012BT		1163	USSR	22 FEB	05 MAR 65	

DECAYED OBJECTS			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1965-012BU		1164	USSR	22 FEB	13 MAR 65
1965-012BV		1165	USSR	22 FEB	09 MAR 65
1965-012BW		1166	USSR	22 FEB	07 MAR 65
1965-012BX		1167	USSR	22 FEB	20 MAR 65
1965-012BY		1168	USSR	22 FEB	06 MAR 65
1965-012BZ		1169	USSR	22 FEB	05 MAR 65
1965-012C		1100	USSR	22 FEB	09 MAR 65
1965-012CA		1170	USSR	22 FEB	04 MAR 65
1965-012CB		1171	USSR	22 FEB	05 MAR 65
1965-012CC		1172	USSR	22 FEB	05 MAR 65
1965-012CD		1173	USSR	22 FEB	04 MAR 65
1965-012CE		1174	USSR	22 FEB	22 MAR 65
1965-012CF		1175	USSR	22 FEB	05 MAR 65
1965-012CG		1176	USSR	22 FEB	05 MAR 65
1965-012CH		1177	USSR	22 FEB	27 MAR 65
1965-012CJ		1178	USSR	22 FEB	05 MAR 65
1965-012CK		1179	USSR	22 FEB	16 MAR 65
1965-012CL		1180	USSR	22 FEB	04 MAR 65
1965-012CM		1181	USSR	22 FEB	06 MAR 65
1965-012CN		1182	USSR	22 FEB	07 MAR 65
1965-012CP		1183	USSR	22 FEB	08 MAR 65
1965-012CQ		1184	USSR	22 FEB	07 MAR 65
1965-012CR		1185	USSR	22 FEB	11 MAR 65
1965-012CS		1186	USSR	22 FEB	01 MAR 65
1965-012CT		1187	USSR	22 FEB	01 MAR 65
1965-012CU		1188	USSR	22 FEB	01 MAR 65
1965-012CV		1189	USSR	22 FEB	01 MAR 65
1965-012CW		1190	USSR	22 FEB	01 MAR 65
1965-012CX		1194	USSR	22 FEB	01 MAR 65
1965-012CY		1195	USSR	22 FEB	16 MAR 65
1965-012CZ		1196	USSR	22 FEB	09 MAR 65
1965-012D		1101	USSR	22 FEB	25 FEB 65
1965-012DA		1197	USSR	22 FEB	21 MAR 65
1965-012DB		1198	USSR	22 FEB	04 MAR 65
1965-012DC		1199	USSR	22 FEB	17 MAR 65
1965-012DD		1200	USSR	22 FEB	11 MAR 65
1965-012DE		1201	USSR	22 FEB	04 MAR 65
1965-012DF		1202	USSR	22 FEB	09 MAR 65
1965-012DG		1203	USSR	22 FEB	14 MAR 65
1965-012DH		1204	USSR	22 FEB	15 MAR 65
1965-012DJ		1205	USSR	22 FEB	16 MAR 65
1965-012DK		1206	USSR	22 FEB	09 MAR 65
1965-012DL		1209	USSR	22 FEB	11 MAR 65
1965-012DM		1210	USSR	22 FEB	04 MAR 65
1965-012DN		1211	USSR	22 FEB	16 MAR 65
1965-012DP		1212	USSR	22 FEB	12 MAR 65
1965-012DQ		1213	USSR	22 FEB	14 MAR 65
1965-012DR		1214	USSR	22 FEB	20 MAR 65
1965-012DS		1215	USSR	22 FEB	16 MAR 65
1965-012DT		1216	USSR	22 FEB	17 MAR 65
1965-012DU		1217	USSR	22 FEB	28 MAR 65
1965-012DV		1218	USSR	22 FEB	20 MAR 65
1965-012DW		1219	USSR	22 FEB	14 MAR 65
1965-012DX		1220	USSR	22 FEB	12 MAR 65
1965-012DY		1221	USSR	22 FEB	18 MAR 65
1965-012DZ		1222	USSR	22 FEB	12 MAR 65

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1965-012E		1102	USSR	22 FEB	26 FEB 65	
1965-012EA		1223	USSR	22 FEB	31 MAR 65	
1965-012EB		1224	USSR	22 FEB	16 MAR 65	
1965-012EC		1225	USSR	22 FEB	14 MAR 65	
1965-012ED		1226	USSR	22 FEB	18 MAR 65	
1965-012EE		1227	USSR	22 FEB	11 MAR 65	
1965-012EF		1229	USSR	22 FEB	29 MAR 65	
1965-012F		1103	USSR	22 FEB	02 MAR 65	
1965-012G		1104	USSR	22 FEB	10 MAR 65	
1965-012H		1105	USSR	22 FEB	25 FEB 65	
1965-012J		1106	USSR	22 FEB	02 MAR 65	
1965-012K		1107	USSR	22 FEB	25 MAR 65	
1965-012L		1108	USSR	22 FEB	01 MAR 65	
1965-012M		1109	USSR	22 FEB	26 FEB 65	
1965-012N		1110	USSR	22 FEB	27 FEB 65	
1965-012P		1111	USSR	22 FEB	02 MAR 65	
1965-012Q		1112	USSR	22 FEB	01 MAR 65	
1965-012R		1113	USSR	22 FEB	25 FEB 65	
1965-012S		1114	USSR	22 FEB	03 MAR 65	
1965-012T		1115	USSR	22 FEB	27 FEB 65	
1965-012U		1116	USSR	22 FEB	04 MAR 65	
1965-012V		1117	USSR	22 FEB	02 MAR 65	
1965-012W		1118	USSR	22 FEB	01 MAR 65	
1965-012X		1119	USSR	22 FEB	01 MAR 65	
1965-012Y		1120	USSR	22 FEB	02 MAR 65	
1965-012Z		1121	USSR	22 FEB	01 MAR 65	
1965-012EG		1230	USSR	23 FEB	13 MAR 65	
1965-012EH		1231	USSR	23 FEB	17 MAR 65	
1965-012EJ		1232	USSR	23 FEB	24 MAR 65	
1965-012EK		1233	USSR	23 FEB	20 MAR 65	
1965-012EL		1234	USSR	23 FEB	20 MAR 65	
1965-012EM		1235	USSR	23 FEB	17 MAR 65	
1965-012EN		1236	USSR	23 FEB	17 MAR 65	
1965-012EP		1237	USSR	23 FEB	20 MAR 65	
1965-012EQ		1238	USSR	23 FEB	17 MAR 65	
1965-012ES		1239	USSR	23 FEB	29 MAR 65	
1965-012ET		1240	USSR	23 FEB	17 MAR 65	
1965-012EU		1241	USSR	23 FEB	24 MAR 65	
1965-012EV		1242	USSR	23 FEB	17 MAR 65	
1965-012EW		1243	USSR	23 FEB	12 MAR 65	
1965-012EX		1254	USSR	23 FEB	20 MAR 65	
1965-012EY		1255	USSR	23 FEB	21 MAR 65	
1965-012EZ		1256	USSR	23 FEB	21 MAR 65	
1965-012FA		1257	USSR	23 FEB	17 MAR 65	
1965-012FB		1258	USSR	23 FEB	06 APR 65	
1965-012FC		1261	USSR	23 FEB	15 MAR 65	
1965-012FD		1262	USSR	23 FEB	21 MAR 65	
1965-012FE		1263	USSR	23 FEB	26 MAR 65	
1965-012FF		1264	USSR	23 FEB	15 MAR 65	
1965-012FG		1265	USSR	23 FEB	06 MAR 65	
1965-012FH		1275	USSR	23 FEB	21 MAR 65	
1965-012FJ		1276	USSR	23 FEB	20 MAR 65	
1965-012FK		1277	USSR	23 FEB	22 MAR 65	
1965-012FL		1278	USSR	23 FEB	31 MAR 65	
1965-012FM		1279	USSR	23 FEB		

DECAYED OBJECTS		LAUNCH		DECAY		NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	
1965-012FN		1280	USSR	23 FEB	24 MAR 65	
1965-012FP		1281	USSR	23 FEB	19 MAR 65	
1965-012FO		1282	USSR	23 FEB	21 MAR 65	
1965-012FR		1283	USSR	23 FEB	23 MAR 65	
1965-012FS		1284	USSR	23 FEB	19 MAR 65	
1965-012FT		1295	USSR	23 FEB	20 MAR 65	
1965-012FU		1296	USSR	23 FEB	15 MAR 65	
1965-012FV		1297	USSR	23 FEB	22 MAR 65	
1965-012FW		1299	USSR	23 FEB	20 MAR 65	
1965-012FX		1300	USSR	23 FEB	23 MAR 65	
1965-012FY		1304	USSR	23 FEB	28 MAR 65	
1965-012FZ		1309	USSR	23 FEB	28 MAR 65	
1965-013A		1096	US	25 FEB	18 MAR 65	
1965-013B		1193	US	25 FEB	12 MAR 65	
1965-014A	COSMOS 58	1097	USSR	26 FEB	25 FEB 90	
1965-014B		1098	USSR	26 FEB	25 JUL 88	
1965-015A	COSMOS 59	1191	USSR	07 MAR	15 MAR 65	
1965-015B		1192	USSR	07 MAR	19 MAR 65	
1965-015C		1207	USSR	07 MAR	10 MAR 65	
1965-016G	SURCAL	1310	US	09 MAR	27 MAR 81	
1965-017A	NNSS 30030	1303	US	11 MAR	14 JUN 65	
1965-017B	SECOR (EGRS) 2	1250	US	11 MAR	26 FEB 68	
1965-017C		1228	US	11 MAR	04 SEP 67	
1965-017D		1248	US	11 MAR	29 JUL 67	
1965-017E		1251	US	11 MAR	01 AUG 65	
1965-017F		1249	US	11 MAR	10 SEP 65	
1965-017G		1319	US	11 MAR	28 JUN 65	
1965-017H		1323	US	11 MAR	23 DEC 65	
1965-018A	COSMOS 60	1246	USSR	12 MAR	17 MAR 65	
1965-018B		1252	USSR	12 MAR	17 MAR 65	
1965-018C		1253	USSR	12 MAR	15 MAR 65	
1965-019A		1247	US	12 MAR	17 MAR 65	
1965-019B		1259	US	12 MAR	17 MAR 65	
1965-019C		1259	US	12 MAR	16 MAR 65	
1965-020A		1260	US	12 MAR	21 MAR 65	
1965-020AA	COSMOS 61	1267	USSR	15 MAR	15 JAN 68	
1965-020AB		1355	USSR	15 MAR	09 OCT 66	
1965-020AD		1356	USSR	15 MAR	14 AUG 65	
1965-020AE		1371	USSR	15 MAR	26 SEP 80	
1965-020AF		1372	USSR	15 MAR	24 JUN 89	
1965-020AG		1373	USSR	15 MAR	04 FEB 79	
1965-020AJ		1375	USSR	15 MAR	14 OCT 65	
1965-020AK		1397	USSR	15 MAR	06 APR 68	
1965-020AL		1400	USSR	15 MAR	25 JUN 70	
1965-020AM		1401	USSR	15 MAR	05 OCT 65	
1965-020AN		1402	USSR	15 MAR	20 MAR 66	
1965-020AP		1403	USSR	15 MAR	05 MAY 67	
1965-020AQ		1409	USSR	15 MAR	03 DEC 65	
1965-020AR		1410	USSR	15 MAR	19 MAY 66	
1965-020AS		1416	USSR	15 MAR	17 FEB 67	
1965-020AT		1417	USSR	15 MAR	05 MAY 67	
1965-020AU		1418	USSR	15 MAR	09 SEP 65	
1965-020AV		1419	USSR	15 MAR	10 AUG 65	
1965-020AW		1436	USSR	15 MAR	01 SEP 66	
1965-020AX		1437	USSR	15 MAR	20 MAY 65	
1965-020AY		1438	USSR	15 MAR	28 OCT 65	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1965-020AZ	COSMOS 62	1439	USSR	15 MAR	16 JAN 79	
1965-020B		1268	USSR	15 MAR	24 SEP 68	
1965-020BA		1476	USSR	15 MAR	21 SEP 67	
1965-020BF		1481	USSR	15 MAR	23 MAY 79	
1965-020BH		1482	USSR	15 MAR	09 JAN 66	
1965-020BJ		1483	USSR	15 MAR	27 FEB 68	
1965-020BK		1484	USSR	15 MAR	24 OCT 68	
1965-020BL		1485	USSR	15 MAR	15 APR 68	
1965-020BM		1486	USSR	15 MAR	10 JUN 67	
1965-020BN		1487	USSR	15 MAR	18 APR 67	
1965-020BP		1488	USSR	15 MAR	14 NOV 67	
1965-020BQ		1489	USSR	15 MAR	26 OCT 66	
1965-020BR		1490	USSR	15 MAR	03 JAN 66	
1965-020BS		1491	USSR	15 MAR	10 SEP 68	
1965-020BT		1492	USSR	15 MAR	23 NOV 65	
1965-020BU		1493	USSR	15 MAR	04 NOV 66	
1965-020BW		1494	USSR	15 MAR	04 SEP 65	
1965-020BX		1496	USSR	15 MAR	15 SEP 66	
1965-020BY		1497	USSR	15 MAR	28 MAY 67	
1965-020BZ		1498	USSR	15 MAR	06 MAY 66	
1965-020C	COSMOS 63	1499	USSR	15 MAR	07 SEP 66	
1965-020CA		1269	USSR	15 MAR	04 NOV 67	
1965-020CB		1530	USSR	15 MAR	04 JUL 69	
1965-020CC		1531	USSR	15 MAR	05 MAR 67	
1965-020CD		1532	USSR	15 MAR	11 JAN 66	
1965-020CE		1533	USSR	15 MAR	27 DEC 65	
1965-020CF		1534	USSR	15 MAR	05 MAY 71	
1965-020CG		1535	USSR	15 MAR	14 DEC 65	
1965-020CH		1536	USSR	15 MAR	26 APR 66	
1965-020CJ		1537	USSR	15 MAR	17 AUG 66	
1965-020CK		1538	USSR	15 MAR	03 DEC 74	
1965-020CL		1539	USSR	15 MAR	26 SEP 66	
1965-020CM		1540	USSR	15 MAR	27 FEB 68	
1965-020CN		1541	USSR	15 MAR	20 MAR 66	
1965-020CP		1542	USSR	15 MAR	31 JUL 66	
1965-020CQ		1543	USSR	15 MAR	19 SEP 68	
1965-020CR		1544	USSR	15 MAR	22 FEB 67	
1965-020CS		1545	USSR	15 MAR	24 JAN 66	
1965-020CT		1546	USSR	15 MAR	16 AUG 66	
1965-020CU		1547	USSR	15 MAR	24 JUL 66	
1965-020CW		1548	USSR	15 MAR	27 MAY 78	
1965-020CX		1550	USSR	15 MAR	08 JUL 70	
1965-020CY		1551	USSR	15 MAR	19 DEC 69	
1965-020CZ		1552	USSR	15 MAR	20 MAR 67	
1965-020D		1553	USSR	15 MAR	23 JUL 66	
1965-020DA		1270	USSR	15 MAR	05 AUG 66	
1965-020DB		1554	USSR	15 MAR	06 JAN 67	
1965-020DC		1555	USSR	15 MAR	12 FEB 68	
1965-020DD		1556	USSR	15 MAR	02 MAY 67	
1965-020DE		1557	USSR	15 MAR	12 FEB 67	
1965-020DF		1558	USSR	15 MAR	12 JUN 68	
1965-020DG		1559	USSR	15 MAR	18 APR 67	
1965-020DH		1560	USSR	15 MAR	13 OCT 65	
1965-020DJ		1561	USSR	15 MAR	12 APR 67	
1965-020DK		1562	USSR	15 MAR	22 FEB 66	
		1563	USSR	15 MAR	28 OCT 69	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1965-020DL		1564	USSR	15 MAR	10 SEP 81	
1965-020DM		1565	USSR	15 MAR	02 FEB 67	
1965-020DN		1566	USSR	15 MAR	08 DEC 79	
1965-020DP		1567	USSR	15 MAR	12 SEP 74	
1965-020DQ		1568	USSR	15 MAR	01 MAY 66	
1965-020DR		1569	USSR	15 MAR	18 JUL 66	
1965-020DS		1592	USSR	15 MAR	27 OCT 70	
1965-020DT		1593	USSR	15 MAR	28 SEP 70	
1965-020DU		1594	USSR	15 MAR	19 DEC 66	
1965-020DV		1595	USSR	15 MAR	06 APR 72	
1965-020DW		1596	USSR	15 MAR	29 OCT 67	
1965-020DX		1597	USSR	15 MAR	28 DEC 88	
1965-020DY		1598	USSR	15 MAR	12 APR 76	
1965-020DZ		1599	USSR	15 MAR	16 JAN 71	
1965-020EA		1600	USSR	15 MAR	10 MAR 78	
1965-020EB		1601	USSR	15 MAR	17 JAN 67	
1965-020EC		1633	USSR	15 MAR	31 JAN 81	
1965-020EE		1635	USSR	15 MAR	20 OCT 67	
1965-020EF		2204	USSR	15 MAR	20 APR 67	
1965-020EG		2203	USSR	15 MAR	17 OCT 66	
1965-020EJ		2339	USSR	15 MAR	12 NOV 66	
1965-020EK		2387	USSR	15 MAR	19 OCT 66	
1965-020EL		2637	USSR	15 MAR	19 FEB 67	
1965-020EP		3163	USSR	15 MAR	16 JUL 68	
1965-020EQ		3707	USSR	15 MAR	13 OCT 79	
1965-020EW		3963	USSR	15 MAR	09 JUL 91	
1965-020EX		3964	USSR	15 MAR	29 OCT 80	
1965-020EZ		4016	USSR	15 MAR	13 APR 81	
1965-020F		1336	USSR	15 MAR	24 JUL 68	
1965-020FA		5733	USSR	15 MAR	11 MAR 72	
1965-020FB		5813	USSR	15 MAR	13 FEB 81	
1965-020FC		5983	USSR	15 MAR	09 AUG 72	
1965-020FE		6736	USSR	15 MAR	12 JUL 80	
1965-020G		1337	USSR	15 MAR	29 SEP 66	
1965-020H		1338	USSR	15 MAR	30 APR 67	
1965-020J		1339	USSR	15 MAR	14 OCT 69	
1965-020K		1340	USSR	15 MAR	30 MAY 68	
1965-020L		1341	USSR	15 MAR	13 FEB 69	
1965-020M		1342	USSR	15 MAR	09 SEP 69	
1965-020N		1343	USSR	15 MAR	20 DEC 66	
1965-020P		1344	USSR	15 MAR	14 NOV 69	
1965-020Q		1345	USSR	15 MAR	26 NOV 88	
1965-020R		1346	USSR	15 MAR	18 MAY 75	
1965-020T		1348	USSR	15 MAR	15 NOV 81	
1965-020U		1349	USSR	15 MAR	09 APR 79	
1965-020V		1350	USSR	15 MAR	19 DEC 65	
1965-020W		1351	USSR	15 MAR	06 AUG 72	
1965-020X		1352	USSR	15 MAR	03 JUL 67	
1965-020Y		1353	USSR	15 MAR	30 JAN 66	
1965-020Z		1273	USSR	15 MAR	15 MAY 68	
1965-021A		1273	US	18 MAR	31 DEC 89	
1965-021B		1288	US	18 MAR	05 OCT 65	
1965-021C		1289	US	18 MAR	06 SEP 79	
1965-021D		1290	US	18 MAR	01 OCT 65	
1965-021E		1376	US	18 MAR	01 JAN 70	
1965-021F		1463	US	18 MAR	18 MAY 79	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1965-022A	VOSKHOD 2	1274	USSR	18 MAR	19 MAR 65	
1965-022B		1285	USSR	18 MAR	27 MAR 65	
1965-022C		1286	USSR	18 MAR	25 MAR 65	
1965-022D		1287	USSR	18 MAR	19 MAR 65	
1965-023A	RANGER 9	1294	US	21 MAR	24 MAR 65	G*
1965-024A	GEMINI 3	1301	US	23 MAR	23 MAR 65	P*
1965-024B		1302	US	23 MAR	24 MAR 65	
1965-025A	COSMOS 64	1305	USSR	25 MAR	02 APR 65	
1965-025B		1306	USSR	25 MAR	04 APR 65	
1965-025C		1308	USSR	25 MAR	06 APR 65	
1965-026A		1307	US	25 MAR	04 APR 65	
1965-026B		1311	US	25 MAR	01 APR 65	
1965-027AG		18670	US	03 APR	19 JAN 91	
1965-027X		18268	US	03 APR	02 FEB 89	
1965-029A	COSMOS 65	1320	USSR	17 APR	25 APR 65	
1965-029B		1321	USSR	17 APR	06 MAY 65	
1965-029C		1322	USSR	17 APR	20 APR 65	
1965-030A	MOLNIYA 1-1	1324	USSR	23 APR	16 AUG 79	
1965-030B		1325	USSR	23 APR	20 JUL 65	
1965-030C		1326	USSR	23 APR	02 JUL 65	
1965-030D		1327	USSR	23 APR	04 JUN 79	
1965-031A		1329	US	28 APR	03 MAY 65	
1965-031B		1331	US	28 APR	31 OCT 69	
1965-031C		1332	US	28 APR	30 APR 65	
1965-031D		1333	US	28 APR	30 APR 65	
1965-031E		1334	US	28 APR	08 MAY 65	
1965-031F		1357	US	28 APR	08 MAY 65	
1965-031G		1357	US	28 APR	18 MAR 66	
1965-032C		1395	US	29 APR	13 JAN 90	
1965-033A		1330	US	29 APR	26 MAY 65	
1965-033B		1367	US	29 APR	08 JUN 65	
1965-035A	COSMOS 66	1362	USSR	07 MAY	15 MAY 65	
1965-035B		1363	USSR	07 MAY	23 MAY 65	
1965-035C		1364	USSR	07 MAY	09 MAY 65	
1965-035D		1365	USSR	07 MAY	09 MAY 65	
1965-036A	LUNA 5	1366	USSR	09 MAY	12 MAY 65	A*
1965-036B		1368	USSR	09 MAY	10 MAY 65	
1965-036C		1369	USSR	09 MAY	10 MAY 65	
1965-037A		1374	US	18 MAY	15 JUN 65	
1965-037B		1415	US	18 MAY	02 JUN 65	
1965-038C		1379	US	20 MAY	07 APR 83	
1965-038D		1380	US	20 MAY	02 MAY 66	
1965-038E		1461	US	20 MAY	20 MAR 89	
1965-038F		1462	US	20 MAY	23 APR 80	
1965-038G		1475	US	20 MAY	19 FEB 88	
1965-039A	PEGASUS 2	1381	US	25 MAY	03 NOV 79	
1965-039B		1385	US	25 MAY	08 JUL 89	
1965-040A	COSMOS 67	1382	USSR	25 MAY	02 JUN 65	
1965-040B		1383	USSR	25 MAY	04 JUN 65	
1965-040C		1384	USSR	25 MAY	31 MAY 65	
1965-040D		1387	USSR	25 MAY	31 MAY 65	
1965-041A		1386	US	27 MAY	01 JUN 65	
1965-042A	EXPLORER 28	1388	US	29 MAY	04 JUL 68	
1965-043A	GEMINI 4	1390	US	03 JUN	07 JUN 65	F*
1965-043B		1391	US	03 JUN	05 JUN 65	
1965-044B		1394	USSR	08 JUN	12 JUN 65	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1965-044C		1395	USSR	08 JUN	10 JUN 65	
1965-045A		1396	US	09 JUN	22 JUN 65	
1965-045B		1414	US	09 JUN	20 JUN 65	
1965-046A	COSMOS 68	1404	USSR	15 JUN	23 JUN 65	
1965-046B		1405	USSR	15 JUN	07 JUL 65	
1965-046C		1406	USSR	15 JUN	20 JUN 65	
1965-046D		1407	USSR	15 JUN	19 JUN 65	
1965-046E		1408	USSR	15 JUN	19 JUN 65	
1965-047A		1412	US	18 JUN	29 JUN 65	
1965-047B		1413	US	18 JUN	21 JUN 65	
1965-048G		11952	US	24 JUN	24 FEB 89	
1965-048H		11953	US	24 JUN	07 MAR 89	
1965-048J		12516	US	24 JUN	04 DEC 81	
1965-048K		12582	US	24 JUN	09 MAR 82	
1965-048L		19062	US	24 JUN	11 MAY 91	
1965-048M		19838	US	24 JUN	31 OCT 89	
1965-049A	COSMOS 69	1421	USSR	25 JUN	03 JUL 65	
1965-049B		1423	USSR	25 JUN	06 JUL 65	
1965-049C		1429	USSR	25 JUN	30 JUN 65	
1965-050A		1422	US	25 JUN	22 AUG 68	
1965-050B		1424	US	25 JUN	30 JUN 65	
1965-050C		1426	US	25 JUN	27 JUN 65	
1965-050D		1427	US	25 JUN	26 NOV 65	
1965-052A	COSMOS 70	1431	USSR	02 JUL	18 DEC 66	
1965-052B		1432	USSR	02 JUL	06 JUN 66	
1965-052C		1434	USSR	02 JUL	13 AUG 65	
1965-053A	COSMOS 71	1441	USSR	16 JUL	11 AUG 70	
1965-053B	COSMOS 72	1442	USSR	16 JUL	24 AUG 79	
1965-053C	COSMOS 73	1443	USSR	16 JUL	20 MAR 74	
1965-053D	COSMOS 74	1444	USSR	16 JUL	13 DEC 79	
1965-053E	COSMOS 75	1445	USSR	16 JUL	28 SEP 79	
1965-053F		1448	USSR	16 JUL	21 NOV 81	
1965-053G		1449	USSR	16 JUL	03 MAY 67	
1965-053H		1473	USSR	16 JUL	13 MAR 69	
1965-053J		2338	USSR	16 JUL	12 NOV 67	
1965-054A	PROTON 1	1466	USSR	16 JUL	11 OCT 65	
1965-054B		1451	USSR	16 JUL	18 SEP 65	
1965-054C		1450	USSR	16 JUL	24 JUL 65	
1965-054D		1446	USSR	16 JUL	31 JUL 65	
1965-055A		1447	US	17 JUL	18 DEC 68	
1965-055B		1452	US	17 JUL	05 JUL 66	
1965-055C		1455	US	17 JUL	24 JUL 66	
1965-055D		1744	US	17 JUL	16 APR 66	
1965-055E		1745	US	17 JUL	23 MAR 66	
1965-056B		1453	USSR	18 JUL	20 JUL 65	
1965-056C		1456	USSR	18 JUL	21 JUL 65	
1965-057A	ERS 17	1457	US	19 JUL	18 AUG 65	
1965-058C		1460	US	20 JUL	01 JUL 68	
1966 LAUNCHES						
1966-000A		2428	US	20 JUL	18 SEP 77	Q*
1965 LAUNCHES						
1965-059A	COSMOS 76	1464	USSR	23 JUL	16 MAR 66	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1965-059B	PEGASUS 3	1465	USSR	23 JUL	04 DEC 65	F*
1965-060A		1467	US	30 JUL	04 AUG 69	
1965-060B		1468	US	30 JUL	22 NOV 75	
1965-060C	COSMOS 77	6841	US	30 JUL	02 OCT 73	
1965-061A		1469	USSR	03 AUG	11 AUG 65	
1965-061B		1470	USSR	03 AUG	08 AUG 65	
1965-062A		1471	US	03 AUG	07 AUG 65	
1965-062B		1472	US	03 AUG	17 JUN 68	
1965-062C	COSMOS 78	1474	US	03 AUG	06 AUG 65	
1965-065M		2335	US	13 AUG	13 APR 81	
1965-065N		3809	US	13 AUG	12 NOV 82	
1965-065R		5363	US	13 AUG	09 NOV 80	
1965-065S		6290	US	13 AUG	02 JUN 81	
1965-065T		11855	US	13 AUG	15 JUN 90	
1965-082NT		3425	US	13 AUG	17 OCT 81	
1965-066A		1505	USSR	14 AUG	22 AUG 65	
1965-066B		1507	USSR	14 AUG	03 SEP 65	
1965-066C	GEMINI 5	1509	USSR	14 AUG	17 AUG 65	F*
1965-067A		1513	US	17 AUG	11 OCT 65	
1965-068A		1516	US	21 AUG	29 AUG 65	
1965-068B		1517	US	21 AUG	24 AUG 65	
1965-068C		1518	US	21 AUG	27 AUG 65	
1965-068D	COSMOS 79	1519	US	21 AUG	26 AUG 65	
1965-069A		1523	USSR	25 AUG	02 SEP 65	
1965-069B		1524	USSR	25 AUG	07 SEP 65	
1965-069C		1525	USSR	25 AUG	26 AUG 65	
1965-069D		1526	USSR	25 AUG	31 AUG 65	
1965-069E	COSMOS 85	1527	USSR	25 AUG	31 AUG 65	
1965-071A		1578	USSR	09 SEP	17 SEP 65	
1965-071B		1579	USSR	09 SEP	18 SEP 65	
1965-072B		1581	US	10 SEP	25 FEB 67	
1965-072C		1582	US	10 SEP	06 APR 67	
1965-074A	COSMOS 91	1602	US	22 SEP	11 OCT 65	A*
1965-075A		1603	USSR	23 SEP	01 OCT 65	
1965-075B		1604	USSR	23 SEP	04 OCT 65	
1965-075C		1605	USSR	23 SEP	29 SEP 65	
1965-075D		1606	USSR	23 SEP	29 SEP 65	
1965-075E	LUNA 7	1607	USSR	23 SEP	29 SEP 65	
1965-076A		1609	US	30 SEP	05 OCT 65	
1965-076B		1609	US	30 SEP	03 OCT 65	
1965-077A		1614	USSR	04 OCT	07 OCT 65	
1965-077B		1611	USSR	04 OCT	04 OCT 65	
1965-077C	MOLNIYA 1-2	1612	USSR	04 OCT	05 OCT 65	A*
1965-079A		1615	US	05 OCT	29 OCT 65	
1965-080A		1621	USSR	13 OCT	17 MAR 67	
1965-080B		1619	USSR	13 OCT	08 NOV 65	
1965-080C		1622	USSR	13 OCT	22 OCT 65	
1965-080D	OGO 2	1623	USSR	13 OCT	16 NOV 65	
1965-080E		2735	USSR	13 OCT	18 JAN 67	
1965-081A		1620	US	14 OCT	17 SEP 81	
1965-081B		1625	US	14 OCT	27 NOV 87	
1965-082A		1624	US	15 OCT	27 JUL 72	
1965-082AC	TITAN 3 C-4	1665	US	15 OCT	28 JAN 81	
1965-082AD		1666	US	15 OCT	16 JUN 79	
1965-082AE		1667	US	15 OCT	02 APR 82	
1965-082AG		1669	US	15 OCT	15 AUG 71	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1965-082AH		1670	US	15 OCT	25 FEB 89	
1965-082AM		1674	US	15 OCT	18 MAR 69	
1965-082AN		1675	US	15 OCT	08 APR 79	
1965-082AR		1678	US	15 OCT	30 MAY 80	
1965-082AS		1679	US	15 OCT	24 MAY 80	
1965-082AU		1681	US	15 OCT	13 AUG 91	
1965-082AW		1683	US	15 OCT	11 JUL 66	
1965-082B		1640	US	15 OCT	25 AUG 82	
1965-082BB		1688	US	15 OCT	01 MAY 81	
1965-082BC		1689	US	15 OCT	29 DEC 78	
1965-082BD		1690	US	15 OCT	11 JUN 81	
1965-082BE		1691	US	15 OCT	12 MAR 71	
1965-082BF		1692	US	15 OCT	22 SEP 70	
1965-082BH		1694	US	15 OCT	26 OCT 70	
1965-082BJ		1695	US	15 OCT	28 MAR 89	
1965-082BK		1696	US	15 OCT	18 JAN 68	
1965-082BL		1697	US	15 OCT	08 JAN 78	
1965-082BM		1698	US	15 OCT	09 MAY 72	
1965-082BN		1699	US	15 OCT	21 NOV 66	
1965-082BP		1700	US	15 OCT	03 APR 70	
1965-082BQ		1709	US	15 OCT	07 APR 82	
1965-082BR		1710	US	15 OCT	01 MAR 73	
1965-082BS		1711	US	15 OCT	20 MAR 71	
1965-082BT		1712	US	15 OCT	16 SEP 81	
1965-082BU		1713	US	15 OCT	02 JAN 69	
1965-082BV		1714	US	15 OCT	09 AUG 70	
1965-082BY		1717	US	15 OCT	02 FEB 69	
1965-082BZ		1718	US	15 OCT	07 JUN 81	
1965-082CA		1719	US	15 OCT	03 MAR 81	
1965-082CB		1720	US	15 OCT	04 MAR 67	
1965-082CE		1723	US	15 OCT	06 NOV 78	
1965-082CF		1724	US	15 OCT	26 APR 68	
1965-082CH		1746	US	15 OCT	03 MAY 78	
1965-082CJ		1747	US	15 OCT	19 AUG 80	
1965-082CK		1748	US	15 OCT	30 MAY 91	
1965-082CL		1749	US	15 OCT	09 DEC 79	
1965-082CM		1750	US	15 OCT	08 FEB 70	
1965-082CN		1751	US	15 OCT	21 OCT 79	
1965-082CP		1752	US	15 OCT	08 DEC 80	
1965-082CQ		1753	US	15 OCT	30 APR 90	
1965-082CR		1754	US	15 OCT	04 AUG 68	
1965-082CS		1755	US	15 OCT	30 APR 81	
1965-082CT		1756	US	15 OCT	13 SEP 87	
1965-082CU		1757	US	15 OCT	05 MAY 81	
1965-082CV		1758	US	15 OCT	13 JAN 73	
1965-082CW		1759	US	15 OCT	21 OCT 80	
1965-082CX		1760	US	15 OCT	31 MAR 71	
1965-082CZ		1762	US	15 OCT	22 JAN 68	
1965-082DA		1763	US	15 OCT	08 OCT 72	
1965-082DB		1764	US	15 OCT	28 SEP 77	
1965-082DC		1765	US	15 OCT	09 JUN 73	
1965-082DD		1766	US	15 OCT	03 APR 71	
1965-082DE		1767	US	15 OCT	19 FEB 71	
1965-082DF		1768	US	15 OCT	27 NOV 70	
1965-082DG		1769	US	15 OCT	07 NOV 81	
1965-082DH		1770	US	15 OCT	10 SEP 79	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1965-082DJ		1819	US	15 OCT	20 JUN 79	
1965-082DK		1820	US	15 OCT	30 MAR 81	
1965-082DL		1821	US	15 OCT	05 MAY 67	
1965-082DN		1823	US	15 OCT	21 APR 74	
1965-082DP		1824	US	15 OCT	11 JUL 67	
1965-082DQ		1825	US	15 OCT	03 JUL 89	
1965-082DR		1826	US	15 OCT	22 MAR 66	
1965-082DS		1827	US	15 OCT	30 DEC 80	
1965-082DT		1828	US	15 OCT	02 JAN 79	
1965-082DV		1830	US	15 OCT	18 JUN 91	
1965-082DW		1831	US	15 OCT	20 NOV 67	
1965-082DZ		1834	US	15 OCT	10 JUL 67	
1965-082E		1643	US	15 OCT	25 DEC 89	
1965-082EC		1837	US	15 OCT	01 MAY 68	
1965-082ED		1861	US	15 OCT	22 DEC 89	
1965-082EE		1862	US	15 OCT	11 SEP 68	
1965-082EF		1848	US	15 OCT	17 SEP 69	
1965-082EG		1849	US	15 OCT	19 JUL 67	
1965-082EH		1852	US	15 OCT	17 JAN 68	
1965-082EJ		1851	US	15 OCT	29 SEP 66	
1965-082EK		1850	US	15 OCT	22 APR 70	
1965-082EL		1853	US	15 OCT	29 NOV 66	
1965-082EM		1854	US	15 OCT	27 APR 66	
1965-082EN		1855	US	15 OCT	12 SEP 74	
1965-082EP		1856	US	15 OCT	06 FEB 67	
1965-082ER		1858	US	15 OCT	03 JAN 67	
1965-082ET		1879	US	15 OCT	19 APR 69	
1965-082EU		1880	US	15 OCT	22 MAR 66	
1965-082EV		1881	US	15 OCT	11 SEP 66	
1965-082EW		1882	US	15 OCT	07 JAN 89	
1965-082EX		1884	US	15 OCT	14 JUL 70	
1965-082EZ		1644	US	15 OCT	14 OCT 90	
1965-082F		1885	US	15 OCT	14 AUG 80	
1965-082FA		1886	US	15 OCT	30 JAN 70	
1965-082FB		1887	US	15 OCT	01 MAR 68	
1965-082FC		1888	US	15 OCT	23 MAY 79	
1965-082FD		1889	US	15 OCT	09 MAY 67	
1965-082FE		1890	US	15 OCT	09 JAN 68	
1965-082FF		1891	US	15 OCT	28 MAR 67	
1965-082FG		1892	US	15 OCT	11 MAR 68	
1965-082FH		1893	US	15 OCT	16 APR 67	
1965-082FJ		1894	US	15 OCT	02 NOV 67	
1965-082FK		1895	US	15 OCT	14 SEP 69	
1965-082FL		1896	US	15 OCT	23 SEP 66	
1965-082FM		1897	US	15 OCT	07 FEB 67	
1965-082FN		1898	US	15 OCT	09 NOV 83	
1965-082FP		1899	US	15 OCT	11 JUL 67	
1965-082FQ		1900	US	15 OCT	14 NOV 66	
1965-082FR		1908	US	15 OCT	23 MAR 66	
1965-082FS		1909	US	15 OCT	19 JUL 66	
1965-082FT		1910	US	15 OCT	09 MAY 66	
1965-082FU		1911	US	15 OCT	21 JUN 66	
1965-082FV		1912	US	15 OCT	14 AUG 66	
1965-082FW		1913	US	15 OCT	26 SEP 79	
1965-082FX		1914	US	15 OCT	09 DEC 79	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1965-082G		1645		US	15 OCT	04 MAY 79	
1965-082GA		1916		US	15 OCT	01 FEB 81	
1965-082GB		1917		US	15 OCT	07 APR 82	
1965-082GC		1918		US	15 OCT	10 NOV 78	
1965-082GD		1919		US	15 OCT	02 DEC 78	
1965-082GE		1920		US	15 OCT	08 FEB 80	
1965-082GF		1921		US	15 OCT	24 FEB 67	
1965-082GG		1922		US	15 OCT	05 MAR 79	
1965-082GH		1923		US	15 OCT	15 JUN 68	
1965-082GJ		1924		US	15 OCT	21 JUN 66	
1965-082GK		1925		US	15 OCT	15 OCT 67	
1965-082GL		1926		US	15 OCT	17 MAY 70	
1965-082GM		1927		US	15 OCT	03 AUG 73	
1965-082GN		1928		US	15 OCT	28 FEB 68	
1965-082GP		1929		US	15 OCT	11 APR 82	
1965-082GQ		1930		US	15 OCT	12 SEP 66	
1965-082GR		1956		US	15 OCT	12 AUG 68	
1965-082GS		1957		US	15 OCT	02 FEB 79	
1965-082GT		1958		US	15 OCT	23 MAY 79	
1965-082GV		1960		US	15 OCT	23 MAR 82	
1965-082HA		1965		US	15 OCT	06 MAR 70	
1965-082HB		1969		US	15 OCT	08 SEP 69	
1965-082HC		1970		US	15 OCT	11 OCT 69	
1965-082HD		1971		US	15 OCT	22 SEP 70	
1965-082HE		1972		US	15 OCT	02 FEB 67	
1965-082HF		1973		US	15 OCT	05 MAY 81	
1965-082HG		1974		US	15 OCT	23 MAY 81	
1965-082HH		1975		US	15 OCT	14 APR 82	
1965-082HJ		1976		US	15 OCT	14 JUL 82	
1965-082HK		1977		US	15 OCT	09 MAR 80	
1965-082HL		1978		US	15 OCT	07 OCT 67	
1965-082HM		1979		US	15 OCT	25 MAY 69	
1965-082HN		1980		US	15 OCT	29 MAR 74	
1965-082HQ		1984		US	15 OCT	18 AUG 68	
1965-082HR		1985		US	15 OCT	08 JAN 80	
1965-082HS		1986		US	15 OCT	04 SEP 69	
1965-082HT		1987		US	15 OCT	14 NOV 70	
1965-082HU		1988		US	15 OCT	13 FEB 70	
1965-082HV		1989		US	15 OCT	09 JAN 69	
1965-082HW		1990		US	15 OCT	06 FEB 68	
1965-082HX		1991		US	15 OCT	12 NOV 80	
1965-082HY		1992		US	15 OCT	30 MAR 80	
1965-082HZ		1993		US	15 OCT	20 APR 67	
1965-082JA		1999		US	15 OCT	16 MAR 73	
1965-082JB		2041		US	15 OCT	21 NOV 79	
1965-082JC		2042		US	15 OCT	01 SEP 68	
1965-082JD		2043		US	15 OCT	20 NOV 80	
1965-082JE		2044		US	15 OCT	15 NOV 67	
1965-082JF		2045		US	15 OCT	16 NOV 67	
1965-082JG		2046		US	15 OCT	27 JAN 70	
1965-082JH		2047		US	15 OCT	16 SEP 81	
1965-082JJ		2048		US	15 OCT	26 JUN 72	
1965-082JK		2049		US	15 OCT	27 FEB 73	
1965-082JM		2051		US	15 OCT		
1965-082JN		2052		US	15 OCT		
1965-082JP		2053		US	15 OCT		

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1965-082JQ		2054	US	15 OCT	23 JAN 67	
1965-082JR		2055	US	15 OCT	28 JUN 66	
1965-082JS		2079	US	15 OCT	12 APR 83	
1965-082JT		2080	US	15 OCT	23 SEP 66	
1965-082JU		2081	US	15 OCT	08 NOV 66	
1965-082JV		2082	US	15 OCT	16 JUN 79	
1965-082JW		2083	US	15 OCT	20 JUN 89	
1965-082JX		2084	US	15 OCT	29 AUG 81	
1965-082JY		2100	US	15 OCT	13 DEC 68	
1965-082JZ		2101	US	15 OCT	19 DEC 80	
1965-082K		1648	US	15 OCT	02 MAR 68	
1965-082KA		2102	US	15 OCT	15 APR 69	
1965-082KB		2103	US	15 OCT	27 NOV 67	
1965-082KC		2158	US	15 OCT	27 OCT 66	
1965-082KD		2333	US	15 OCT	29 SEP 73	
1965-082KE		2340	US	15 OCT	11 JUL 73	
1965-082KF		2384	US	15 OCT	29 SEP 73	
1965-082KG		2385	US	15 OCT	16 APR 89	
1965-082KH		2390	US	15 OCT	27 OCT 66	
1965-082KJ		2493	US	15 OCT	16 FEB 73	
1965-082KK		2573	US	15 OCT	15 MAR 71	
1965-082KL		2574	US	15 OCT	03 DEC 68	
1965-082KM		2699	US	15 OCT	03 JUL 89	
1965-082KN		2786	US	15 OCT	12 FEB 79	
1965-082KP		2787	US	15 OCT	19 SEP 80	
1965-082KS		2790	US	15 OCT	13 AUG 82	
1965-082KT		2791	US	15 OCT	29 APR 81	
1965-082KU		2792	US	15 OCT	26 DEC 71	
1965-082KV		2794	US	15 OCT	03 FEB 81	
1965-082KW		2795	US	15 OCT	14 SEP 78	
1965-082KY		2887	US	15 OCT	21 MAR 80	
1965-082KZ		2898	US	15 OCT	27 JUN 71	
1965-082L		1649	US	15 OCT	16 OCT 79	
1965-082LA		2899	US	15 OCT	06 MAY 79	
1965-082LB		2929	US	15 OCT	23 APR 79	
1965-082LC		2932	US	15 OCT	26 APR 90	
1965-082LE		2991	US	15 OCT	20 FEB 79	
1965-082LF		2992	US	15 OCT	29 MAR 69	
1965-082LG		3039	US	15 OCT	05 FEB 79	
1965-082LH		3040	US	15 OCT	29 MAR 71	
1965-082LJ		3046	US	15 OCT	07 OCT 88	
1965-082LK		3049	US	15 OCT	06 JAN 68	
1965-082LL		3050	US	15 OCT	03 JUL 79	
1965-082LM		3064	US	15 OCT	25 DEC 79	
1965-082LN		3065	US	15 OCT	26 NOV 89	
1965-082LP		3149	US	15 OCT	03 DEC 70	
1965-082LQ		3325	US	15 OCT	17 MAR 69	
1965-082LR		3331	US	15 OCT	01 DEC 79	
1965-082LS		3355	US	15 OCT	03 NOV 92	
1965-082LT		3356	US	15 OCT	07 MAR 79	
1965-082LU		3357	US	15 OCT	09 APR 84	
1965-082LV		3358	US	15 OCT	27 MAR 82	
1965-082LW		3359	US	15 OCT	26 SEP 90	
1965-082LX		3360	US	15 OCT	11 JUN 72	
1965-082LZ		3362	US	15 OCT	03 DEC 81	
1965-082M		1650	US	15 OCT	18 OCT 79	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1965-082MA		3363	US	15 OCT	12 APR 82	
1965-082MB		3364	US	15 OCT	30 NOV 80	
1965-082MC		3365	US	15 OCT	09 MAR 80	
1965-082MD		3366	US	15 OCT	13 APR 81	
1965-082ME		3367	US	15 OCT	21 JAN 80	
1965-082MF		3368	US	15 OCT	01 MAR 70	
1965-082MG		3369	US	15 OCT	26 FEB 90	
1965-082MH		3370	US	15 OCT	30 MAR 80	
1965-082MJ		3371	US	15 OCT	10 AUG 82	
1965-082MK		3372	US	15 OCT	01 NOV 78	
1965-082MM		3373	US	15 OCT	10 APR 79	
1965-082MN		3374	US	15 OCT	30 MAY 80	
1965-082MP		3375	US	15 OCT	16 OCT 80	
1965-082MQ		3376	US	15 OCT	17 JAN 79	
1965-082MR		3377	US	15 OCT	30 JUL 79	
1965-082MS		3378	US	15 OCT	25 SEP 90	
1965-082MT		3379	US	15 OCT	06 SEP 78	
1965-082MU		3380	US	15 OCT	29 OCT 91	
1965-082MV		3381	US	15 OCT	18 JUN 81	
1965-082MW		3382	US	15 OCT	12 APR 69	
1965-082MX		3383	US	15 OCT	11 MAR 90	
1965-082MY		3384	US	15 OCT	27 JAN 91	
1965-082MZ		3385	US	15 OCT	10 MAR 79	
1965-082NA		3386	US	15 OCT	01 MAR 72	
1965-082NB		3387	US	15 OCT	05 JUL 78	
1965-082NC		3388	US	15 OCT	06 NOV 80	
1965-082ND		3389	US	15 OCT	03 MAR 70	
1965-082NE		3390	US	15 OCT	21 MAY 69	
1965-082NF		3391	US	15 OCT	08 MAY 69	
1965-082NG		3392	US	15 OCT	17 APR 78	
1965-082NH		3393	US	15 OCT	05 OCT 73	
1965-082NJ		3394	US	15 OCT	06 OCT 80	
1965-082NK		3395	US	15 OCT	14 MAY 70	
1965-082NL		3396	US	15 OCT	08 MAR 69	
1965-082NM		3397	US	15 OCT	13 APR 81	
1965-082NN		3398	US	15 OCT	13 JAN 69	
1965-082NP		3399	US	15 OCT	24 SEP 69	
1965-082NQ		3400	US	15 OCT	13 JUL 80	
1965-082NR		3401	US	15 OCT	22 APR 79	
1965-082NS		3402	US	15 OCT	18 FEB 81	
1965-082NU		3403	US	15 OCT	28 MAY 80	
1965-082NV		3404	US	15 OCT	19 OCT 78	
1965-082NW		3405	US	15 OCT	13 APR 82	
1965-082NX		3406	US	15 OCT	20 DEC 79	
1965-082NY		3407	US	15 OCT	08 MAR 69	
1965-082NZ		3408	US	15 OCT	15 MAR 79	
1965-082P		3409	US	15 OCT	28 NOV 81	
1965-082PA		3410	US	15 OCT	13 OCT 71	
1965-082PB		3411	US	15 OCT	31 JAN 80	
1965-082PC		3412	US	15 OCT	13 APR 81	
1965-082PD		3413	US	15 OCT	04 DEC 88	
1965-082PE		3414	US	15 OCT	12 JUN 69	
1965-082PF		3415	US	15 OCT	15 APR 80	
1965-082PG		3416	US	15 OCT	01 MAY 81	
1965-082PH		3417	US	15 OCT	25 JUL 80	
1965-082PJ		3418	US	15 OCT	13 FEB 81	
1965-082PK		3419	US	15 OCT		

DECAYED OBJECTS			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1965-082PL		3447	US	15 OCT	01 JUL 79
1965-082PM		3448	US	15 OCT	01 JAN 83
1965-082PN		3453	US	15 OCT	29 APR 69
1965-082PO		3455	US	15 OCT	24 DEC 80
1965-082PR		3456	US	15 OCT	18 FEB 82
1965-082PS		3461	US	15 OCT	19 JUL 84
1965-082PU		3463	US	15 OCT	21 MAY 82
1965-082PV		3464	US	15 OCT	21 OCT 81
1965-082PW		3465	US	15 OCT	19 SEP 72
1965-082PX		3466	US	15 OCT	18 NOV 91
1965-082PZ		3468	US	15 OCT	17 OCT 80
1965-082QA		3475	US	15 OCT	03 MAY 73
1965-082QB		3476	US	15 OCT	19 APR 72
1965-082QC		3477	US	15 OCT	07 APR 71
1965-082QD		3478	US	15 OCT	04 MAR 80
1965-082QE		3480	US	15 OCT	14 MAR 69
1965-082QF		3481	US	15 OCT	10 FEB 80
1965-082QG		3482	US	15 OCT	05 MAR 75
1965-082QH		3483	US	15 OCT	29 MAY 78
1965-082QK		3489	US	15 OCT	03 JUN 70
1965-082QL		3490	US	15 OCT	13 JAN 78
1965-082QM		3491	US	15 OCT	08 JUN 80
1965-082QN		3493	US	15 OCT	21 JAN 69
1965-082QR		3495	US	15 OCT	21 SEP 69
1965-082QS		3496	US	15 OCT	05 APR 79
1965-082QT		3497	US	15 OCT	19 MAR 80
1965-082QU		3498	US	15 OCT	27 OCT 91
1965-082QV		3499	US	15 OCT	22 MAY 80
1965-082QW		3500	US	15 OCT	14 JUL 70
1965-082QX		3501	US	15 OCT	23 SEP 71
1965-082QY		3502	US	15 OCT	27 MAR 79
1965-082QZ		3718	US	15 OCT	21 SEP 88
1965-082R		1654	US	15 OCT	16 OCT 79
1965-082RA		3719	US	15 OCT	26 MAR 71
1965-082RB		3720	US	15 OCT	07 NOV 79
1965-082RC		3721	US	15 OCT	27 JUL 72
1965-082RD		3722	US	15 OCT	15 MAY 70
1965-082RE		3723	US	15 OCT	14 JUL 79
1965-082RF		3724	US	15 OCT	06 DEC 69
1965-082RG		3725	US	15 OCT	11 NOV 69
1965-082RH		3726	US	15 OCT	06 APR 69
1965-082RJ		3727	US	15 OCT	22 JUN 69
1965-082RK		3728	US	15 OCT	01 FEB 70
1965-082RL		3729	US	15 OCT	26 JUN 69
1965-082RM		3730	US	15 OCT	21 DEC 77
1965-082RN		3731	US	15 OCT	16 AUG 71
1965-082RP		3732	US	15 OCT	07 JUN 78
1965-082RQ		3733	US	15 OCT	05 SEP 79
1965-082RR		3734	US	15 OCT	02 DEC 69
1965-082RS		3735	US	15 OCT	23 SEP 69
1965-082RT		3736	US	15 OCT	05 APR 78
1965-082RU		3746	US	15 OCT	29 NOV 80
1965-082RV		3751	US	15 OCT	24 JAN 83
1965-082RW		3838	US	15 OCT	30 NOV 80
1965-082RX		3839	US	15 OCT	23 FEB 77
1965-082RY		3925	US	15 OCT	30 SEP 80

DECAYED OBJECTS			LAUNCH		DECAY		NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES	
1965-082RZ		3926	US	15 OCT	26 FEB 79		
1965-082S		1655	US	15 OCT	19 APR 71		
1965-082SA		3928	US	15 OCT	17 APR 83		
1965-082SB		3929	US	15 OCT	27 DEC 70		
1965-082SC		3930	US	15 OCT	19 NOV 82		
1965-082SD		3936	US	15 OCT	22 APR 70		
1965-082SF		3980	US	15 OCT	24 APR 70		
1965-082SG		3981	US	15 OCT	19 FEB 70		
1965-082SH		3982	US	15 OCT	19 FEB 70		
1965-082SJ		3996	US	15 OCT	25 OCT 69		
1965-082SK		3998	US	15 OCT	26 DEC 69		
1965-082SL		4003	US	15 OCT	06 FEB 71		
1965-082SM		4004	US	15 OCT	18 FEB 81		
1965-082SN		4017	US	15 OCT	05 JAN 70		
1965-082SP		4020	US	15 OCT	13 AUG 79		
1965-082SQ		4023	US	15 OCT	16 JUN 79		
1965-082SR		4025	US	15 OCT	02 FEB 70		
1965-082SS		4032	US	15 OCT	16 OCT 69		
1965-082ST		4033	US	15 OCT	30 DEC 69		
1965-082SU		4021	US	15 OCT	03 SEP 70		
1965-082SW		5056	US	15 OCT	06 FEB 81		
1965-082SX		5057	US	15 OCT	03 MAY 71		
1965-082SY		5058	US	15 OCT	26 MAY 78		
1965-082SZ		5085	US	15 OCT	07 MAR 81		
1965-082T		1656	US	15 OCT	12 SEP 80		
1965-082TA		5312	US	15 OCT	25 NOV 81		
1965-082TB		5344	US	15 OCT	02 APR 72		
1965-082TC		5345	US	15 OCT	25 MAR 73		
1965-082TD		5372	US	15 OCT	25 JUN 80		
1965-082TE		5375	US	15 OCT	22 NOV 82		
1965-082TF		5376	US	15 OCT	19 APR 78		
1965-082TG		5471	US	15 OCT	07 DEC 91		
1965-082TH		5567	US	15 OCT	31 AUG 79		
1965-082TJ		5568	US	15 OCT	21 NOV 72		
1965-082TK		5569	US	15 OCT	24 JAN 81		
1965-082TL		5571	US	15 OCT	22 JAN 80		
1965-082TM		5572	US	15 OCT	06 APR 81		
1965-082TN		5711	US	15 OCT	24 AUG 75		
1965-082TP		5719	US	15 OCT	21 JUN 80		
1965-082TQ		5734	US	15 OCT	30 JUL 75		
1965-082TR		5744	US	15 OCT	03 JUL 80		
1965-082TS		5768	US	15 OCT	21 NOV 78		
1965-082TT		5811	US	15 OCT	01 MAR 72		
1965-082TU		5844	US	15 OCT	18 JUL 79		
1965-082TV		5845	US	15 OCT	13 MAY 74		
1965-082TW		5856	US	15 OCT	17 SEP 82		
1965-082TX		5857	US	15 OCT	23 OCT 72		
1965-082TY		5955	US	15 OCT	03 AUG 79		
1965-082TZ		5968	US	15 OCT	22 FEB 78		
1965-082U		1657	US	15 OCT	11 MAY 77		
1965-082UA		5970	US	15 OCT	17 JUN 70		
1965-082UB		5982	US	15 OCT	26 JUL 73		
1965-082UC		6041	US	15 OCT	31 JAN 73		
1965-082UD		6042	US	15 OCT	04 JUL 72		
1965-082UE		6141	US	15 OCT	28 AUG 73		
1965-082UF		6183	US	15 OCT	23 FEB 73		
					15 SEP 74		

DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY				
1965-082UG		6253	US	15 OCT	15 APR 83				
1965-082UH		6783	US	15 OCT	27 JUL 80				
1965-082UJ		9840	US	15 OCT	21 MAY 78				
1965-082UK		14842	US	15 OCT	11 SEP 89				
1965-082UL		14843	US	15 OCT	27 APR 88				
1965-082UN		18874	US	15 OCT	28 FEB 90				
1965-082UP		19182	US	15 OCT	08 FEB 91				
1965-082V		1658	US	15 OCT	08 MAY 70				
1965-082W		1659	US	15 OCT	20 NOV 69				
1965-082X		1660	US	15 OCT	23 SEP 69				
1965-082Y		1661	US	15 OCT	15 MAY 71				
1965-082Z		1662	US	15 OCT	31 AUG 89				
1965-082UM		18258	US	16 OCT	04 FEB 89				
1965-083A	COSMOS 92	1626	USSR	16 OCT	24 OCT 65				
1965-083B		1627	USSR	16 OCT	29 OCT 65				
1965-083C		1628	USSR	16 OCT	25 OCT 65				
1965-084A	COSMOS 93	1629	USSR	19 OCT	03 JAN 66				
1965-084B		1630	USSR	19 OCT	17 NOV 65				
1965-084C		1631	USSR	19 OCT	25 OCT 65				
1965-084D		1632	USSR	19 OCT	26 OCT 65				
1965-084E		2098	USSR	19 OCT	06 JUL 68				
1965-085A	COSMOS 94	1636	USSR	28 OCT	05 NOV 65				
1965-085B		1638	USSR	28 OCT	03 NOV 65				
1965-086A		1637	US	28 OCT	17 NOV 65				
1965-086B		1639	US	28 OCT	01 NOV 65				
1965-087A	PROTON 2	1701	USSR	02 NOV	06 FEB 66				
1965-087B		1702	USSR	02 NOV	04 JAN 66				
1965-087C		1703	USSR	02 NOV	16 NOV 65				
1965-087D		1704	USSR	02 NOV	08 NOV 65				
1965-087E		1705	USSR	02 NOV	08 NOV 65				
1965-088A	COSMOS 95	1706	USSR	04 NOV	18 JAN 66				
1965-088B		1707	USSR	04 NOV	28 NOV 65				
1965-088C		1708	USSR	04 NOV	11 NOV 65				
1965-088D		1740	USSR	04 NOV	06 JAN 66				
1965-088E		1741	USSR	04 NOV	13 DEC 65				
1965-088F		1784	USSR	04 NOV	11 NOV 65				
1965-088G		1785	USSR	04 NOV	16 NOV 65				
1965-088H		1786	USSR	04 NOV	09 NOV 65				
1965-088J		1787	USSR	04 NOV	09 NOV 65				
1965-088K		1788	USSR	04 NOV	19 NOV 65				
1965-088L		1789	USSR	04 NOV	28 NOV 65				
1965-088M		1790	USSR	04 NOV	12 NOV 65				
1965-088N		1791	USSR	04 NOV	07 NOV 65				
1965-088P		1792	USSR	04 NOV	16 NOV 65				
1965-088Q		1793	USSR	04 NOV	07 NOV 65				
1965-088R		1794	USSR	04 NOV	28 NOV 65				
1965-088S		1795	USSR	04 NOV	08 NOV 65				
1965-088T		1796	USSR	04 NOV	15 NOV 65				
1965-088U		1797	USSR	04 NOV	11 NOV 65				
1965-088V		1798	USSR	04 NOV	28 NOV 65				
1965-088W		1799	USSR	04 NOV	28 NOV 65				
1965-088X		1800	USSR	04 NOV	28 NOV 65				
1965-088Y		1801	USSR	04 NOV	26 NOV 65				
1965-088Z		1802	USSR	04 NOV	28 NOV 65				
1965-090A		1727	US	08 NOV	11 NOV 65				
1965-090B		1728	US	08 NOV	09 NOV 65				

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DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY				
1965-091B		1731	USSR	12 NOV	17 NOV 65				
1965-091C		1732	USSR	12 NOV	25 NOV 65				
1965-092A	VENERA 3	1733	USSR	16 NOV	01 MAR 66			N*	
1965-092B		1734	USSR	16 NOV	26 NOV 65				
1965-092C		1735	USSR	16 NOV	03 DEC 65				
1965-092E		1737	USSR	16 NOV	16 NOV 65				
1965-094A	COSMOS 96	1742	USSR	23 NOV	09 DEC 65				
1965-094B		1743	USSR	23 NOV	04 DEC 65				
1965-094C		1771	USSR	23 NOV	28 NOV 65				
1965-094D		1772	USSR	23 NOV	28 NOV 65				
1965-094E		1773	USSR	23 NOV	29 NOV 65				
1965-094F		1774	USSR	23 NOV	28 NOV 65				
1965-094G		1775	USSR	23 NOV	08 DEC 65				
1965-094H		1776	USSR	23 NOV	08 DEC 65				
1965-095A		1777	USSR	26 NOV	02 APR 67				
1965-095B	COSMOS 97	1779	USSR	26 NOV	21 FEB 67				
1965-095C		1782	USSR	26 NOV	21 JAN 66				
1965-095D		1783	USSR	26 NOV	21 JAN 66				
1965-096C		1938	FRANCE	26 NOV	25 MAR 67				
1965-097A	COSMOS 98	1780	USSR	27 NOV	05 DEC 65				
1965-097B		1781	USSR	27 NOV	23 JAN 66				
1965-097C		1803	USSR	27 NOV	08 DEC 65				
1965-098K		20833	US	29 NOV	11 FEB 92				
1965-099A	LUNA 8	1810	USSR	03 DEC	06 DEC 65			A*	
1965-099B		1809	USSR	03 DEC	05 DEC 65				
1965-099C		1811	USSR	03 DEC	06 DEC 65			F*	
1965-100A	GEMINI 7	1812	US	04 DEC	18 DEC 65				
1965-100B		1813	US	04 DEC	07 DEC 65				
1965-100C		1845	US	04 DEC	27 JAN 66				
1965-101C		1934	FRANCE	06 DEC	10 DEC 81				
1965-101D		1935	FRANCE	06 DEC	10 NOV 80				
1965-102A		1816	US	09 DEC	26 DEC 65				
1965-102B		1838	US	09 DEC	15 DEC 65				
1965-103A	COSMOS 99	1817	USSR	10 DEC	18 DEC 65				
1965-103B		1818	USSR	10 DEC	28 DEC 65				
1965-104A	GEMINI 6	1839	US	15 DEC	16 DEC 65			F*	
1965-104B		1840	US	15 DEC	16 DEC 65				
1965-105B		1842	US	16 DEC	06 SEP 68				
1965-107A	COSMOS 101	1846	USSR	21 DEC	12 JUL 66				
1965-107B		1847	USSR	21 DEC	16 APR 66				
1965-108A	TITAN 3 C-8	1863	US	21 DEC	17 AUG 75				
1965-108B	LES 4	1870	US	21 DEC	01 AUG 77				
1965-108C	OSCAR 4	1902	US	21 DEC	12 APR 76				
1965-108D	LES 3	1941	US	21 DEC	06 APR 68				
1965-108E		3999	US	21 DEC	21 AUG 69				
1965-108F		4429	US	21 DEC	03 NOV 75				
1965-108G		4476	US	21 DEC	01 AUG 77				
1965-108H		5472	US	21 DEC	25 NOV 72				
1965-108J		5474	US	21 DEC	03 FEB 73				
1965-108K		5980	US	21 DEC	12 APR 76				
1965-110A		1866	US	24 DEC	20 JAN 66				
1965-110B		1901	US	24 DEC	06 JAN 66				
1965-111A	COSMOS 102	1867	USSR	27 DEC	13 JAN 66				
1965-112A	COSMOS 103	1868	USSR	28 DEC	02 JAN 90				
1965-112B		1869	USSR	28 DEC	15 JUN 82			P*	
1965-112C		1871	USSR	28 DEC	25 APR 67				

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1965-112D		1872	USSR	28 DEC	27 DEC 67	
1965-112E		1873	USSR	28 DEC	21 APR 67	
1965-112F		1874	USSR	28 DEC	01 MAY 68	
1965-112G		1875	USSR	28 DEC	17 FEB 68	
1965-112H		1876	USSR	28 DEC	12 MAR 68	
1965-112J		1877	USSR	28 DEC	22 MAR 68	
1965-112K		1878	USSR	28 DEC	02 JUL 70	
1965-112L		1906	USSR	28 DEC	19 OCT 68	
1965-112M		1907	USSR	28 DEC	16 OCT 68	
1965-112N		1933	USSR	28 DEC	05 JUL 67	
1965-112P		1936	USSR	28 DEC	07 APR 69	
1966 LAUNCHES						
1966-001A	COSMOS 104	1903	USSR	07 JAN	15 JAN 66	
1966-001B		1904	USSR	07 JAN	24 JAN 66	
1966-001C		1905	USSR	07 JAN	12 JAN 66	
1966-002A		1939	US	19 JAN	25 JAN 66	
1966-002B		1940	US	19 JAN	23 JAN 66	
1966-003A	COSMOS 105	1945	USSR	22 JAN	30 JAN 66	
1966-003B		1946	USSR	22 JAN	10 FEB 66	
1966-003C		1947	USSR	22 JAN	24 JAN 66	
1966-004A	COSMOS 106	1949	USSR	25 JAN	14 NOV 66	
1966-004B		1950	USSR	25 JAN	16 JUL 66	
1966-005G		4587	US	28 JAN	04 OCT 81	
1966-005H		11990	US	28 JAN	11 JAN 83	
1966-005K		14226	US	28 JAN	15 JUL 89	
1966-005L		15341	US	28 JAN	10 DEC 89	
1966-005M		19366	US	28 JAN	24 APR 90	
1966-006A	LUNA 9	1954	USSR	31 JAN	03 FEB 66	
1966-006B		1955	USSR	31 JAN	02 FEB 66	
1966-006C		1966	USSR	31 JAN	31 JAN 66	
1966-007A		1968	US	02 FEB	27 FEB 66	
1966-009A		1997	US	09 FEB	26 SEP 69	
1966-009B		2003	US	09 FEB	18 NOV 66	
1966-009C		2004	US	09 FEB	18 NOV 66	
1966-010A	COSMOS 107	1998	USSR	10 FEB	18 FEB 66	
1966-010B		2000	USSR	10 FEB	28 FEB 66	
1966-010C		2005	USSR	10 FEB	12 FEB 66	
1966-010D		2006	USSR	10 FEB	12 FEB 66	
1966-011A	COSMOS 108	2002	USSR	11 FEB	21 NOV 66	
1966-011B		2007	USSR	11 FEB	01 JUN 66	
1966-011C		2008	USSR	11 FEB	27 MAR 66	
1966-012A		2012	US	15 FEB	22 FEB 66	
1966-012AA		2061	US	15 FEB	19 FEB 66	
1966-012AB		2062	US	15 FEB	22 FEB 66	
1966-012AC		2063	US	15 FEB	17 FEB 66	
1966-012AD		2064	US	15 FEB	22 FEB 66	
1966-012AE		2065	US	15 FEB	19 FEB 66	
1966-012AF		2066	US	15 FEB	19 FEB 66	
1966-012AG		2067	US	15 FEB	17 FEB 66	
1966-012AH		2068	US	15 FEB	17 FEB 66	
1966-012AJ		2069	US	15 FEB	20 FEB 66	
1966-012AK		2072	US	15 FEB	18 FEB 66	
1966-012AL		2073	US	15 FEB	17 FEB 66	
1966-012AM		2074	US	15 FEB	18 FEB 66	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1966-012AN		2075		US	15 FEB	17 FEB 66	
1966-012AP		2076		US	15 FEB	19 FEB 66	
1966-012AQ		2077		US	15 FEB	18 FEB 66	
1966-012AR		2078		US	15 FEB	19 FEB 66	
1966-012B		2014		US	15 FEB	16 FEB 66	
1966-012C		2015		US	15 FEB	22 FEB 66	
1966-012D		2025		US	15 FEB	18 FEB 66	
1966-012E		2026		US	15 FEB	17 FEB 66	
1966-012F		2027		US	15 FEB	17 FEB 66	
1966-012G		2028		US	15 FEB	18 FEB 66	
1966-012H		2029		US	15 FEB	19 FEB 66	
1966-012J		2030		US	15 FEB	19 FEB 66	
1966-012K		2031		US	15 FEB	20 FEB 66	
1966-012L		2032		US	15 FEB	17 FEB 66	
1966-012M		2033		US	15 FEB	18 FEB 66	
1966-012N		2034		US	15 FEB	19 FEB 66	
1966-012P		2035		US	15 FEB	17 FEB 66	
1966-012Q		2036		US	15 FEB	18 FEB 66	
1966-012R		2037		US	15 FEB	20 FEB 66	
1966-012S		2038		US	15 FEB	19 FEB 66	
1966-012T		2039		US	15 FEB	16 FEB 66	
1966-012U		2040		US	15 FEB	18 FEB 66	
1966-012V		2056		US	15 FEB	21 FEB 66	
1966-012W		2057		US	15 FEB	18 FEB 66	
1966-012X		2058		US	15 FEB	18 FEB 66	
1966-012Y		2059		US	15 FEB	18 FEB 66	
1966-012Z		2060		US	15 FEB	18 FEB 66	
1966-013C		2018		FRANCE	17 FEB	05 DEC 67	
1966-013D		2020		FRANCE	17 FEB	11 SEP 67	
1966-013E		2021		FRANCE	17 FEB	25 AUG 67	
1966-013F		2023		FRANCE	17 FEB	16 JUL 91	
1966-013H		2993		FRANCE	17 FEB	01 MAR 68	
1966-013J		3970		FRANCE	17 FEB	28 MAY 81	
1966-013K		5420		FRANCE	17 FEB	22 NOV 82	
1966-013L		5959		FRANCE	17 FEB	21 NOV 78	
1966-013M		6784		FRANCE	17 FEB	15 MAR 74	
1966-013N		14844		FRANCE	17 FEB	08 NOV 88	
1966-013P		14845		FRANCE	17 FEB	23 APR 89	
1966-013Q		19049		FRANCE	17 FEB	22 JAN 89	
1966-014A	COSMOS 109	2019		USSR	19 FEB	27 FEB 66	
1966-014B		2022		USSR	19 FEB	27 FEB 66	
1966-014C		2024		USSR	19 FEB	21 FEB 66	
1966-015A	COSMOS 110	2070		USSR	22 FEB	16 MAR 66	
1966-015B		2071		USSR	22 FEB	29 APR 66	
1966-015C		2089		USSR	22 FEB	05 MAR 66	
1966-015D		2090		USSR	22 FEB	05 MAR 66	
1966-017A	COSMOS 111	2093		USSR	01 MAR	03 MAR 66	
1966-017B		2094		USSR	01 MAR	01 MAR 66	
1966-017C		2095		USSR	01 MAR	02 MAR 66	
1966-018A		2099		US	09 MAR	29 MAR 66	
1966-018B		2113		US	09 MAR	22 MAR 66	
1966-019A	AGENA TARGET VEHICLE	2104		US	16 MAR	15 SEP 67	
1966-020A	GEMINI 8	2105		US	16 MAR	17 MAR 66	F*
1966-020B		2106		US	16 MAR	17 MAR 66	
1966-020C		2115		US	16 MAR	18 APR 66	
1966-021A	COSMOS 112	2107		USSR	17 MAR	25 MAR 66	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1966-021B	COSMOS 113	2108	USSR	17 MAR	17 MAY 66	
1966-021C		2110	USSR	17 MAR	25 MAR 66	
1966-021D		2111	USSR	17 MAR	25 MAR 66	
1966-022A		2109	US	18 MAR	24 MAR 66	
1966-022B		2112	US	18 MAR	23 MAR 66	
1966-023A		2114	USSR	21 MAR	29 MAR 66	
1966-023B		2116	USSR	21 MAR	30 MAR 66	
1966-023C		2117	USSR	21 MAR	22 MAR 66	
1966-024C		2386	US	26 MAR	14 FEB 83	
1966-024D		3590	US	26 MAR	18 APR 78	
1966-024E	COSMOS 114	12856	US	26 MAR	20 JUL 88	
1966-025F		4007	US	30 MAR	12 APR 77	
1966-026C		2162	US	31 MAR	11 FEB 67	
1966-026E		2178	US	31 MAR	06 JAN 83	
1966-027B		2127	USSR	31 MAR	04 APR 66	
1966-027C		2128	USSR	31 MAR	02 APR 66	
1966-028A		2133	USSR	06 APR	14 APR 66	
1966-028B		2134	USSR	06 APR	18 APR 66	
1966-028C		2135	USSR	06 APR	10 APR 66	
1966-028D		2137	USSR	06 APR	10 APR 66	
1966-028E	SURVEYOR MODULE	2138	USSR	06 APR	09 APR 66	
1966-029A		2136	US	07 APR	26 APR 66	
1966-030A		2139	US	08 APR	05 MAY 66	
1966-030B		2143	US	08 APR	17 APR 66	
1966-031C		2145	US	08 APR	31 OCT 81	
1966-032A		2146	US	19 APR	26 APR 66	
1966-032B		2148	US	19 APR	22 APR 66	
1966-033A		2147	USSR	20 APR	28 APR 66	
1966-033B		2149	USSR	20 APR	30 APR 66	
1966-034C		2208	US	22 APR	05 DEC 76	
1966-034D	COSMOS 115	2209	US	22 APR	04 DEC 89	
1966-034E		9998	US	22 APR	01 DEC 82	
1966-035A		2151	USSR	25 APR	11 JUN 73	
1966-035B		2155	USSR	25 APR	09 MAY 66	
1966-035C		2156	USSR	25 APR	08 MAY 66	
1966-035E		2157	USSR	25 APR	29 APR 66	
1966-035F		2160	USSR	25 APR	29 APR 66	
1966-036A		3222	USSR	25 APR	18 JUN 73	
1966-036B		2152	USSR	26 APR	03 DEC 66	
1966-037A		2159	USSR	26 APR	15 AUG 66	
1966-037B	COSMOS 116	2163	USSR	06 MAY	14 MAY 66	
1966-037C		2164	USSR	06 MAY	21 MAY 66	
1966-037D		2165	USSR	06 MAY	07 MAY 66	
1966-037E		2166	USSR	06 MAY	08 MAY 66	
1966-038A		2170	USSR	06 MAY	16 MAY 66	
1966-038B		2168	USSR	11 MAY	23 NOV 88	
1966-039A		2169	USSR	11 MAY	12 JUL 89	
1966-039B		2171	US	14 MAY	21 MAY 66	
1966-039C		2172	US	14 MAY	27 OCT 70	
1966-042A		2175	US	14 MAY	17 MAY 66	
1966-043A	COSMOS 117	2181	US	24 MAY	09 JUN 66	
1966-043B		2182	USSR	24 MAY	30 NOV 66	
1966-044A		2183	US	25 MAY	22 FEB 85	
1966-044B		2184	US	25 MAY	19 JUN 69	
1966-044C		2336	US	25 MAY	31 AUG 69	
1966-045A	SURVEYOR 1	2185	US	30 MAY	02 JUN 66	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1966-046A	ATDA	2186	US	01 JUN	11 JUN 66	
1966-046AA		2248	US	01 JUN	23 JUN 66	
1966-046AB		2249	US	01 JUN	04 JUL 66	
1966-046AC		2250	US	01 JUN	29 JUN 66	
1966-046AD		2251	US	01 JUN	25 JUN 66	
1966-046AE		2252	US	01 JUN	23 JUN 66	
1966-046AF		2264	US	01 JUN	04 JUL 66	
1966-046AG		2265	US	01 JUN	04 JUL 66	
1966-046AH		2266	US	01 JUN	04 JUL 66	
1966-046AJ		2267	US	01 JUN	04 JUL 66	
1966-046AK		2268	US	01 JUN	04 JUL 66	
1966-046AL		2269	US	01 JUN	04 JUL 66	
1966-046AM		2270	US	01 JUN	04 JUL 66	
1966-046AN		2271	US	01 JUN	04 JUL 66	
1966-046AP		2272	US	01 JUN	04 JUL 66	
1966-046AQ		2273	US	01 JUN	04 JUL 66	
1966-046AR		2274	US	01 JUN	04 JUL 66	
1966-046AS		2275	US	01 JUN	04 JUL 66	
1966-046AT		2276	US	01 JUN	04 JUL 66	
1966-046AU		2277	US	01 JUN	04 JUL 66	
1966-046AV		2278	US	01 JUN	04 JUL 66	
1966-046AW		2279	US	01 JUN	04 JUL 66	
1966-046AX		2280	US	01 JUN	04 JUL 66	
1966-046AY		2281	US	01 JUN	04 JUL 66	
1966-046AZ		2282	US	01 JUN	04 JUL 66	
1966-046B		2188	US	01 JUN	22 JUN 66	U*
1966-046BA		2283	US	01 JUN	04 JUL 66	
1966-046BB		2284	US	01 JUN	04 JUL 66	
1966-046BC		2285	US	01 JUN	04 JUL 66	
1966-046BD		2286	US	01 JUN	04 JUL 66	
1966-046BE		2287	US	01 JUN	04 JUL 66	
1966-046BF		2288	US	01 JUN	04 JUL 66	
1966-046C		2189	US	01 JUN	04 JUL 66	
1966-046D		2190	US	01 JUN	05 JUN 66	
1966-046E		2228	US	01 JUN	05 JUN 66	
1966-046F		2229	US	01 JUN	30 JUN 66	
1966-046G		2230	US	01 JUN	30 JUN 66	
1966-046H		2231	US	01 JUN	30 JUN 66	
1966-046J		2232	US	01 JUN	30 JUN 66	
1966-046K		2233	US	01 JUN	30 JUN 66	
1966-046L		2234	US	01 JUN	21 JUN 66	
1966-046M		2235	US	01 JUN	23 JUN 66	
1966-046N		2236	US	01 JUN	23 JUN 66	
1966-046P		2237	US	01 JUN	22 JUN 66	
1966-046Q		2238	US	01 JUN	22 JUN 66	
1966-046R		2239	US	01 JUN	22 JUN 66	
1966-046S		2240	US	01 JUN	22 JUN 66	
1966-046T		2241	US	01 JUN	22 JUN 66	
1966-046U		2242	US	01 JUN	22 JUN 66	
1966-046V		2243	US	01 JUN	27 JUN 66	
1966-046W		2244	US	01 JUN	21 JUN 66	
1966-046X		2245	US	01 JUN	23 JUN 66	
1966-046Y		2246	US	01 JUN	22 JUN 66	
1966-046Z		2247	US	01 JUN	21 JUN 66	
1966-047A	GEMINI 9	2191	US	01 JUN	21 JUN 66	F*
1966-047B		2193	US	03 JUN	06 JUN 66	

DECAYED OBJECTS			LAUNCH			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES		
1966-048A		2192	US	03 JUN	09 JUN 66			
1966-048B		2194	US	03 JUN	09 JUN 66			
1966-050A	COSMOS 120	2196	USSR	08 JUN	16 JUN 66			
1966-050B		2197	USSR	08 JUN	12 JUN 66			
1966-050C		2198	USSR	08 JUN	11 JUN 66			
1966-050D		2199	USSR	08 JUN	09 JUN 66			
1966-051A		2200	US	09 JUN	03 DEC 66			
1966-051B	SECOR (EGRS) 6	2205	US	09 JUN	06 JUL 67			
1966-051C	ERS 16	2202	US	09 JUN	12 MAR 67			
1966-054A	COSMOS 121	2210	USSR	17 JUN	25 JUN 66			
1966-054B		2211	USSR	17 JUN	26 JUN 66			
1966-054C		2212	USSR	17 JUN	19 JUN 66			
1966-054D		2213	USSR	17 JUN	20 JUN 66			
1966-054E		2214	USSR	17 JUN	20 JUN 66			
1966-055A		2227	US	21 JUN	14 JUL 66			
1966-055B		2261	US	21 JUN	04 JUL 66			
1966-056AA		9461	US	24 JUN	16 DEC 77			
1966-056AB		9462	US	24 JUN	09 FEB 77			
1966-056AC		9463	US	24 JUN	13 APR 81			
1966-056AD		9464	US	24 JUN	22 AUG 80			
1966-056AE		9465	US	24 JUN	13 APR 81			
1966-056AF		9466	US	24 JUN	02 FEB 89			
1966-056AG		9467	US	24 JUN	18 APR 77			
1966-056AJ		9469	US	24 JUN	25 NOV 82			
1966-056AK		9739	US	24 JUN	20 JAN 77			
1966-056AL		9740	US	24 JUN	20 JAN 77			
1966-056AM		9741	US	24 JUN	20 JAN 77			
1966-056AN		9742	US	24 JUN	20 JAN 77			
1966-056AP		9743	US	24 JUN	20 JAN 77			
1966-056AQ		9744	US	24 JUN	20 JAN 77			
1966-056AR		9745	US	24 JUN	20 JAN 77			
1966-056AS		9746	US	24 JUN	20 JAN 77			
1966-056AT		9747	US	24 JUN	20 JAN 77			
1966-056AU		9748	US	24 JUN	20 JAN 77			
1966-056AV		9749	US	24 JUN	20 JAN 77			
1966-056AW		9750	US	24 JUN	20 JAN 77			
1966-056AX		9751	US	24 JUN	20 JAN 77			
1966-056AY		9752	US	24 JUN	20 JAN 77			
1966-056AZ		9753	US	24 JUN	20 JAN 77			
1966-056BA		9754	US	24 JUN	20 JAN 77			
1966-056BB		9755	US	24 JUN	20 JAN 77			
1966-056BC		9756	US	24 JUN	20 JAN 77			
1966-056BD		9757	US	24 JUN	20 JAN 77			
1966-056BE		9758	US	24 JUN	20 JAN 77			
1966-056BF		9759	US	24 JUN	20 JAN 77			
1966-056BG		9760	US	24 JUN	20 JAN 77			
1966-056BH		9761	US	24 JUN	20 JAN 77			
1966-056BJ		9762	US	24 JUN	20 JAN 77			
1966-056BK		9763	US	24 JUN	20 JAN 77			
1966-056BL		9764	US	24 JUN	20 JAN 77			
1966-056BM		9765	US	24 JUN	20 JAN 77			
1966-056BN		9766	US	24 JUN	20 JAN 77			
1966-056BP		9767	US	24 JUN	20 JAN 77			
1966-056BQ		9768	US	24 JUN	20 JAN 77			
1966-056BR		9769	US	24 JUN	20 JAN 77			
1966-056BS		9770	US	24 JUN	20 JAN 77			

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1966-056BT		9771	US	24 JUN	20 JAN 77	
1966-056BU		9772	US	24 JUN	20 JAN 77	
1966-056BV		9773	US	24 JUN	20 JAN 77	
1966-056BW		9774	US	24 JUN	20 JAN 77	
1966-056BX		9775	US	24 JUN	20 JAN 77	
1966-056BY		9776	US	24 JUN	20 JAN 77	
1966-056BZ		9777	US	24 JUN	20 JAN 77	
1966-056CA		9778	US	24 JUN	20 JAN 77	
1966-056CB		9779	US	24 JUN	20 JAN 77	
1966-056CC		9780	US	24 JUN	20 JAN 77	
1966-056CD		9781	US	24 JUN	20 JAN 77	
1966-056CE		9782	US	24 JUN	20 JAN 77	
1966-056CF		9783	US	24 JUN	20 JAN 77	
1966-056CG		13795	US	24 JUN	25 APR 87	
1966-056CH		18641	US	24 JUN	20 DEC 89	
1966-056CJ		18672	US	24 JUN	13 FEB 90	
1966-056CK		18690	US	24 JUN	02 FEB 89	
1966-056E		8064	US	24 JUN	03 JAN 90	
1966-056F		8065	US	24 JUN	18 APR 78	
1966-056J		8075	US	24 JUN	19 FEB 77	
1966-056K		8076	US	24 JUN	04 SEP 84	
1966-056L		8077	US	24 JUN	01 APR 77	
1966-056M		8078	US	24 JUN	12 JAN 86	
1966-056N		8079	US	24 JUN	21 JAN 77	
1966-056P		8080	US	24 JUN	22 JAN 77	
1966-056Q		8081	US	24 JUN	08 MAR 77	
1966-056R		9452	US	24 JUN	13 APR 81	
1966-056S		9453	US	24 JUN	08 FEB 77	
1966-056T		9454	US	24 JUN	03 MAR 77	
1966-056U		9455	US	24 JUN	14 FEB 77	
1966-056V		9456	US	24 JUN	20 AUG 77	
1966-056W		9457	US	24 JUN	29 JUN 77	
1966-056X		9458	US	24 JUN	02 JUL 77	
1966-056Y		9459	US	24 JUN	09 JAN 90	
1966-056Z		9460	US	24 JUN	14 NOV 89	
1966-057A	COSMOS 122	2254	USSR	25 JUN	20 JAN 84	
1966-057B		2257	USSR	01 JUL	17 NOV 66	
1966-058B		2259	US	01 JUL	07 SEP 66	
1966-058D		2262	US	01 JUL	29 AUG 66	
1966-058E		2263	US	05 JUL	05 JUL 66	
1966-059A		2289	US	05 JUL	20 JUL 66	
1966-059AA		2319	US	05 JUL	18 JUL 66	
1966-059AB		2320	US	05 JUL	15 JUL 66	
1966-059AC		2321	US	05 JUL	20 JUL 66	
1966-059AD		2341	US	05 JUL	18 JUL 66	
1966-059AE		2342	US	05 JUL	15 JUL 66	
1966-059AF		2343	US	05 JUL	20 JUL 66	
1966-059AG		2344	US	05 JUL	20 JUL 66	
1966-059AH		2345	US	05 JUL	18 JUL 66	
1966-059AJ		2346	US	05 JUL	19 JUL 66	
1966-059AK		2347	US	05 JUL	22 JUL 66	
1966-059AL		2352	US	05 JUL	18 JUL 66	
1966-059B		2291	US	05 JUL	12 JUL 66	
1966-059C		2297	US	05 JUL	12 JUL 66	
1966-059D		2298	US	05 JUL	11 JUL	
1966-059E		2299	US	05 JUL	11 JUL	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1966-059F		2300	US	05 JUL	12 JUL 66	
1966-059G		2301	US	05 JUL	11 JUL 66	
1966-059H		2302	US	05 JUL	10 JUL 66	
1966-059J		2303	US	05 JUL	12 JUL 66	
1966-059K		2304	US	05 JUL	11 JUL 66	
1966-059L		2305	US	05 JUL	11 JUL 66	
1966-059M		2306	US	05 JUL	11 JUL 66	
1966-059N		2307	US	05 JUL	19 JUL 66	
1966-059P		2308	US	05 JUL	14 JUL 66	
1966-059Q		2309	US	05 JUL	15 JUL 66	
1966-059R		2310	US	05 JUL	19 JUL 66	
1966-059S		2311	US	05 JUL	16 JUL 66	
1966-059T		2312	US	05 JUL	15 JUL 66	
1966-059U		2313	US	05 JUL	15 JUL 66	
1966-059V		2314	US	05 JUL	16 JUL 66	
1966-059W		2315	US	05 JUL	16 JUL 66	
1966-059X		2316	US	05 JUL	16 JUL 66	
1966-059Y		2317	US	05 JUL	17 JUL 66	
1966-059Z		2318	US	05 JUL	18 JUL 66	
1966-060A	PROTON 3	2290	USSR	06 JUL	16 SEP 66	
1966-060B		2293	USSR	06 JUL	21 AUG 66	
1966-060C		2294	USSR	06 JUL	19 JUL 66	
1966-060D		2292	USSR	06 JUL	11 JUL 66	
1966-061A	COSMOS 123	2295	USSR	08 JUL	10 DEC 66	
1966-061B		2296	USSR	08 JUL	02 OCT 66	
1966-062A		2322	US	12 JUL	20 JUL 66	
1966-062B		2323	US	12 JUL	14 JUL 66	
1966-063A		2324	US	14 JUL	04 JAN 78	
1966-064A	COSMOS 124	2325	USSR	14 JUL	22 JUL 66	
1966-064B		2326	USSR	14 JUL	19 JUL 66	
1966-064C		2330	USSR	14 JUL	17 JUL 66	
1966-064D		2331	USSR	14 JUL	16 JUL 66	
1966-064E		2332	US	14 JUL	19 JUL 66	
1966-065A	AGENA TARGET VEHICLE	2348	US	18 JUL	29 DEC 66	F*
1966-066A	GEMINI 10	2349	US	18 JUL	21 JUL 66	
1966-066B		2350	US	18 JUL	19 JUL 66	
1966-066C		2354	US	18 JUL	14 AUG 66	
1966-066D		2355	US	18 JUL	18 SEP 66	
1966-066E		2356	US	18 JUL	18 APR 67	
1966-066F		2357	US	18 JUL	15 OCT 66	
1966-066G		2358	US	18 JUL	12 AUG 66	
1966-066H		2382	US	18 JUL	20 OCT 66	
1966-066J		2383	US	18 JUL	17 JAN 67	
1966-066K		2388	US	18 JUL	26 FEB 67	
1966-067A	COSMOS 125	2351	USSR	20 JUL	02 AUG 66	
1966-068A	COSMOS 126	2368	USSR	28 JUL	06 AUG 66	
1966-068B		2369	USSR	28 JUL	10 AUG 66	
1966-068C		2370	USSR	28 JUL	30 JUL 66	
1966-069A		2376	US	28 JUL	06 AUG 66	
1966-070B		2404	US	04 AUG	03 JAN 74	
1966-070C		2521	US	04 AUG	16 AUG 66	
1966-071A	COSMOS 127	2391	USSR	08 AUG	12 AUG 66	
1966-071B		2392	USSR	09 AUG	11 SEP 66	
1966-072A		2393	US	10 AUG	29 OCT 66	G*
1966-073A	LUNAR ORBITER 1	2394	US	10 AUG	24 AUG 66	
1966-074A		2396	US	16 AUG		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAY	NOTES
			SOURCE			
1966-074B		2397	US	16 AUG	05 MAR 70	
1966-074C		2400	US	16 AUG	18 AUG 66	
1966-075B		2399	US	17 AUG	07 AUG 67	
1966-075D		2405	US	17 AUG	26 FEB 67	
1966-075E		2572	US	17 AUG	09 MAR 67	
1966-076E		7558	US	18 AUG	02 SEP 81	
1966-076F		8000	US	18 AUG	11 SEP 81	
1966-076G		9401	US	18 AUG	25 MAR 82	
1966-078B		2407	USSR	24 AUG	25 AUG 66	
1966-078C		2408	USSR	24 AUG	26 AUG 66	
1966-079A		2409	USSR	27 AUG	04 SEP 66	
1966-079B		2410	USSR	27 AUG	07 SEP 66	
1966-080A		2414	US	12 SEP	30 DEC 66	
1966-081A		2415	US	12 SEP	15 SEP 66	
1966-081B		2416	US	12 SEP	13 SEP 66	
1966-081C		2417	US	12 SEP	08 OCT 66	
1966-081D		2421	US	12 SEP	20 SEP 66	
1966-083A		2419	US	16 SEP	23 SEP 66	
1966-083B		2420	US	16 SEP	09 MAY 68	
1966-083C		2423	US	16 SEP	18 SEP 66	
1966-083D		2424	US	16 SEP	30 OCT 66	
1966-088A		2437	USSR	17 SEP	11 NOV 66	
1966-088AA		2461	USSR	17 SEP	24 SEP 66	
1966-088AB		2462	USSR	17 SEP	27 SEP 66	
1966-088AC		2463	USSR	17 SEP	26 SEP 66	
1966-088AD		2464	USSR	17 SEP	27 SEP 66	
1966-088AE		2465	USSR	17 SEP	25 SEP 66	
1966-088AF		2466	USSR	17 SEP	28 SEP 66	
1966-088AG		2467	USSR	17 SEP	26 SEP 66	
1966-088AH		2468	USSR	17 SEP	22 SEP 66	
1966-088AJ		2469	USSR	17 SEP	24 SEP 66	
1966-088AK		2470	USSR	17 SEP	24 SEP 66	
1966-088AL		2471	USSR	17 SEP	25 SEP 66	
1966-088AM		2472	USSR	17 SEP	25 SEP 66	
1966-088AN		2473	USSR	17 SEP	27 SEP 66	
1966-088AP		2474	USSR	17 SEP	23 SEP 66	
1966-088AQ		2475	USSR	17 SEP	23 SEP 66	
1966-088AR		2476	USSR	17 SEP	27 SEP 66	
1966-088AS		2477	USSR	17 SEP	27 SEP 66	
1966-088AT		2478	USSR	17 SEP	30 SEP 66	
1966-088AU		2479	USSR	17 SEP	27 SEP 66	
1966-088AV		2480	USSR	17 SEP	03 OCT 66	
1966-088AW		2482	USSR	17 SEP	25 SEP 66	
1966-088AX		2483	USSR	17 SEP	18 OCT 66	
1966-088AY		2484	USSR	17 SEP	08 OCT 66	
1966-088AZ		2485	USSR	17 SEP	25 SEP 66	
1966-088B		2438	USSR	17 SEP	09 FEB 67	
1966-088BA		2486	USSR	17 SEP	12 NOV 66	
1966-088BB		2487	USSR	17 SEP	04 MAR 67	
1966-088BC		2488	USSR	17 SEP	21 OCT 66	
1966-088BD		2506	USSR	17 SEP	18 OCT 66	
1966-088BE		2507	USSR	17 SEP	10 OCT 66	
1966-088C		2439	USSR	17 SEP	21 OCT 66	
1966-088D		2440	USSR	17 SEP	10 OCT 66	
1966-088E		2441	USSR	17 SEP	18 OCT 66	
1966-088F		2442	USSR	17 SEP	23 JUN 67	
					25 SEP	
					66	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1966-088G		2443	USSR	17 SEP	20 SEP 66	
1966-088H		2444	USSR	17 SEP	25 SEP 66	
1966-088J		2445	USSR	17 SEP	24 SEP 66	
1966-088K		2446	USSR	17 SEP	03 OCT 66	
1966-088L		2447	USSR	17 SEP	03 OCT 66	
1966-088M		2448	USSR	17 SEP	01 OCT 66	
1966-088N		2449	USSR	17 SEP	30 SEP 66	
1966-088P		2450	USSR	17 SEP	26 SEP 66	
1966-088Q		2451	USSR	17 SEP	02 OCT 66	
1966-088R		2452	USSR	17 SEP	17 SEP 66	
1966-088S		2453	USSR	17 SEP	04 OCT 66	
1966-088T		2454	USSR	17 SEP	02 OCT 66	
1966-088U		2455	USSR	17 SEP	04 OCT 66	
1966-088V		2456	USSR	17 SEP	28 SEP 66	
1966-088W		2457	USSR	17 SEP	26 SEP 66	
1966-088X		2458	USSR	17 SEP	30 SEP 66	
1966-088Y		2459	USSR	17 SEP	03 OCT 66	
1966-088Z		2460	USSR	17 SEP	22 SEP 66	
1966-084A	SURVEYOR 2	2425	US	20 SEP	23 SEP 66	
1966-085A		2427	US	20 SEP	12 OCT 66	
1966-085B		2434	US	20 SEP	08 OCT 66	
1966-086A		2433	US	28 SEP	07 OCT 66	
1966-090A		2489	US	12 OCT	20 OCT 66	
1966-090B		2490	US	12 OCT	21 OCT 66	
1966-090C		2494	US	12 OCT	16 OCT 66	
1966-090D		2495	US	12 OCT	21 OCT 66	
1966-091A	COSMOS 129	2491	USSR	14 OCT	23 OCT 66	
1966-091B		2492	USSR	14 OCT	23 OCT 66	
1966-092A	MOLNIYA 1-4	2501	USSR	20 OCT	11 SEP 68	
1966-092B		2503	USSR	20 OCT	10 NOV 66	
1966-092C		2505	USSR	20 OCT	02 NOV 66	
1966-092D		3223	USSR	20 OCT	05 JUN 69	
1966-093A	COSMOS 130	2502	USSR	20 OCT	28 OCT 66	
1966-093B		2504	USSR	20 OCT	29 OCT 66	
1966-094B		2509	USSR	22 OCT	23 OCT 66	
1966-094C		2510	USSR	22 OCT	06 NOV 66	
1966-095A	AC 9	2512	US	26 OCT	09 FEB 67	
1966-096B		2515	US	26 OCT	29 SEP 71	
1966-097A	OV3-2	2517	US	28 OCT	28 JAN 70	
1966-097B		2519	US	28 OCT	20 SEP 67	
1966-097C		2613	US	28 OCT	20 AUG 76	
1966-097D		2614	US	28 OCT	10 NOV 66	
1966-098A		2523	US	02 NOV	16 NOV 66	
1966-098B		2525	US	02 NOV	09 JAN 67	
1966-099A		2524	US	02 NOV	05 JAN 67	
1966-099B		2526	US	02 NOV	31 DEC 66	
1966-099C		2527	US	02 NOV	11 JAN 67	
1966-099D		2528	US	02 NOV	17 NOV 66	
1966-101A		2536	USSR	02 NOV	07 NOV 66	
1966-101AA		2561	USSR	02 NOV	08 NOV 66	
1966-101AB		2562	USSR	02 NOV	08 NOV 66	
1966-101AC		2563	USSR	02 NOV	09 NOV 66	
1966-101AD		2564	USSR	02 NOV	22 NOV 66	
1966-101AE		2570	USSR	02 NOV	29 NOV 66	
1966-101AF		2571	USSR	02 NOV	11 NOV 66	
1966-101AG		2575	USSR	02 NOV	11 NOV 66	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS		LAUNCH	DECAY	NOTES
			SOURCE				
1966-101AH		2576	USSR	02 NOV	13 NOV 66		
1966-101AJ		2581	USSR	02 NOV	23 NOV 66		
1966-101AK		2582	USSR	02 NOV	14 NOV 66		
1966-101AL		2583	USSR	02 NOV	14 NOV 66		
1966-101AM		2584	USSR	02 NOV	14 NOV 66		
1966-101AN		2585	USSR	02 NOV	12 NOV 66		
1966-101AP		2586	USSR	02 NOV	14 NOV 66		
1966-101AQ		2587	USSR	02 NOV	12 NOV 66		
1966-101AR		2588	USSR	02 NOV	16 NOV 66		
1966-101AS		2598	USSR	02 NOV	17 NOV 66		
1966-101B		2931	USSR	02 NOV	26 APR 76		
1966-101C		2538	USSR	02 NOV	22 NOV 66		Y*
1966-101D		2539	USSR	02 NOV	15 NOV 66		
1966-101E		2540	USSR	02 NOV	13 NOV 66		
1966-101F		2541	USSR	02 NOV	29 NOV 66		
1966-101G		2542	USSR	02 NOV	21 NOV 66		
1966-101H		2543	USSR	02 NOV	06 MAY 67		
1966-101J		2544	USSR	02 NOV	29 NOV 66		
1966-101K		2545	USSR	02 NOV	17 NOV 66		
1966-101L		2546	USSR	02 NOV	08 NOV 66		
1966-101M		2547	USSR	02 NOV	12 NOV 66		
1966-101N		2548	USSR	02 NOV	29 NOV 66		
1966-101P		2549	USSR	02 NOV	08 NOV 66		
1966-101Q		2550	USSR	02 NOV	24 NOV 66		
1966-101R		2551	USSR	02 NOV	08 NOV 66		
1966-101S		2552	USSR	02 NOV	08 NOV 66		
1966-101T		2553	USSR	02 NOV	06 NOV 66		
1966-101U		2554	USSR	02 NOV	08 NOV 66		
1966-101V		2555	USSR	02 NOV	07 NOV 66		
1966-101W		2556	USSR	02 NOV	20 NOV 66		
1966-101X		2557	USSR	02 NOV	08 NOV 66		
1966-101Y		2558	USSR	02 NOV	08 NOV 66		
1966-101Z		2559	USSR	02 NOV	07 NOV 66		
1966-100A		2560	USSR	02 NOV	09 NOV 66		
1966-100B		2534	US	06 NOV	07 NOV 66		G*
1966-100C		2535	US	06 NOV	11 OCT 67		
1966-102A		2537	US	08 NOV	15 NOV 66		
1966-103A		2565	US	11 NOV	29 NOV 66		
1966-104A		2566	US	11 NOV	23 DEC 66		
1966-104B		2567	US	11 NOV	15 NOV 66		F*
1966-104C		2577	US	11 NOV	12 NOV 66		Z*
1966-104D		2578	US	11 NOV	15 NOV 66		
1966-104E		2579	US	11 NOV	15 NOV 66		
1966-104F		2588	US	11 NOV	16 NOV 66		
1966-104G		2589	US	11 NOV	04 DEC 66		
1966-104H		2590	US	11 NOV	01 DEC 66		
1966-104J		2591	US	11 NOV	18 NOV 66		
1966-104K		2592	US	11 NOV	18 NOV 66		
1966-104L		2593	US	11 NOV	18 NOV 66		
1966-104M		2594	US	11 NOV	18 NOV 66		
1966-104N		2595	US	11 NOV	18 NOV 66		
1966-104P		2596	US	11 NOV	18 NOV 66		
1966-104Q		2597	US	11 NOV	18 NOV 66		
1966-000D		2633	US	12 NOV	18 NOV 66		
1966-105A		2568	USSR	12 NOV	30 DEC 66		Q*
1966-105B		2569	USSR	12 NOV	22 NOV 66		
1966-106A		2599	USSR	19 NOV	27 NOV 66		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1966-106B		2600	USSR	19 NOV	27 NOV 66	
1966-107A	COSMOS 133	2601	USSR	28 NOV	30 NOV 66	
1966-107B		2602	USSR	28 NOV	29 NOV 66	
1966-108A		2603	USSR	03 DEC	11 DEC 66	
1966-108B	COSMOS 134	2604	USSR	03 DEC	10 DEC 66	
1966-108C		2605	USSR	03 DEC	04 DEC 66	
1966-109A		2606	US	05 DEC	14 DEC 66	
1966-109B		2607	US	05 DEC	08 DEC 66	
1966-110B		2609	US	07 DEC	15 OCT 74	
1966-112A		2612	USSR	12 DEC	12 APR 67	
1966-112B	COSMOS 135	2615	USSR	12 DEC	15 MAR 67	
1966-112C		2616	USSR	12 DEC	28 DEC 66	
1966-112D		2617	USSR	12 DEC	28 DEC 66	
1966-112E		2708	USSR	12 DEC	28 MAY 67	
1966-113A		2618	US	14 DEC	24 DEC 66	
1966-114A	BIOSATELLITE 1	2632	US	14 DEC	15 FEB 67	
1966-114B		2623	US	14 DEC	22 JAN 67	
1966-114C		2619	US	14 DEC	10 JAN 67	
1966-114D		2631	US	14 DEC	10 JAN 67	
1966-115A		2624	USSR	19 DEC	27 DEC 66	
1966-115B	COSMOS 136	2625	USSR	19 DEC	28 DEC 66	
1966-116A		2626	USSR	21 DEC	24 DEC 66	
1966-116B	LUNA 13	2628	USSR	21 DEC	23 DEC 66	
1966-116C		2629	USSR	21 DEC	22 DEC 66	
1966-117A		2627	USSR	21 DEC	23 NOV 67	
1966-117B	COSMOS 137	2630	USSR	21 DEC	25 SEP 67	
1966-118A		2634	US	29 DEC	05 APR 69	
1966-118B		2635	US	29 DEC	23 MAR 67	
1966-118C		2636	US	29 DEC	23 MAR 67	
1967 LAUNCHES						
1967-001B		2640	US	11 JAN	13 APR 67	
1967-001C		2641	US	11 JAN	24 FEB 67	
1967-001E		4901	US	11 JAN	09 FEB 71	
1967-001F		5122	US	11 JAN	30 APR 72	
1967-001G		5123	US	11 JAN	06 OCT 71	
1967-001H		5245	US	11 JAN	17 JUN 71	
1967-001J		5269	US	11 JAN	29 OCT 78	
1967-001K		5333	US	11 JAN	14 OCT 71	
1967-001L		5735	US	11 JAN	09 MAR 73	
1967-001M		5766	US	11 JAN	20 JAN 72	
1967-001N		5951	US	11 JAN	26 JUN 73	
1967-001P		5960	US	11 JAN	26 JUN 73	
1967-001Q		5961	US	11 JAN	26 JUN 73	
1967-001R		5969	US	11 JAN	14 SEP 75	
1967-001U		5989	US	11 JAN	07 NOV 76	
1967-001V		5990	US	11 JAN	14 OCT 92	
1967-001Z		13905	US	11 JAN	20 SEP 92	
1967-002A		2642	US	11 JAN	02 FEB 67	
1967-002B		2662	US	14 JAN	28 JAN 67	
1967-004A	COSMOS 138	2646	USSR	19 JAN	27 JAN 67	
1967-004B		2648	USSR	19 JAN	28 JAN 67	
1967-005A	COSMOS 139	2656	USSR	25 JAN	25 JAN 67	
1967-005B		2658	USSR	25 JAN	25 JAN 67	
1967-005C		2659	USSR	25 JAN	25 JAN 67	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1967-007A		2664	US	02 FEB	12 FEB 67	
1967-007B		2665	US	02 FEB	04 FEB 67	
1967-008A		2666	US	05 FEB	09 OCT 67	
1967-009A	LUNAR ORBITER 3	2667	USSR	07 FEB	09 FEB 67	
1967-009B	COSMOS 140	2668	USSR	07 FEB	08 FEB 67	
1967-011C		2673	FRANCE	08 FEB	13 DEC 67	
1967-011D		2675	FRANCE	08 FEB	03 JAN 68	
1967-011E		2676	FRANCE	08 FEB	05 DEC 67	
1967-011F		2677	FRANCE	08 FEB	12 FEB 68	
1967-011G		2688	FRANCE	08 FEB	22 JUN 80	
1967-011H		2689	FRANCE	08 FEB	20 JUN 90	
1967-011J		2690	FRANCE	08 FEB	08 MAY 68	
1967-011K		2691	FRANCE	08 FEB	29 OCT 67	
1967-011L		2692	FRANCE	08 FEB	21 APR 89	
1967-011M		2900	FRANCE	08 FEB	23 MAY 80	
1967-011N		2990	FRANCE	08 FEB	07 FEB 80	
1967-011P		3742	FRANCE	08 FEB	27 AUG 80	
1967-011Q		4009	FRANCE	08 FEB	12 NOV 82	
1967-012A	COSMOS 141	2670	USSR	08 FEB	16 FEB 67	
1967-012B		2672	USSR	08 FEB	16 FEB 67	
1967-013A	COSMOS 142	2678	USSR	14 FEB	06 JUL 67	
1967-013B		2679	USSR	14 FEB	15 JUN 67	
1967-014D		2681	FRANCE	15 FEB	16 SEP 68	
1967-014E		2683	FRANCE	15 FEB	12 NOV 82	
1967-014G		3589	FRANCE	15 FEB	20 NOV 79	
1967-014H		3935	FRANCE	15 FEB	02 AUG 81	
1967-014K		14633	FRANCE	15 FEB	30 AUG 91	
1967-014L		15531	FRANCE	15 FEB	19 AUG 91	
1967-014P		18929	FRANCE	15 FEB	10 NOV 91	
1967-015A		2686	US	22 FEB	11 MAR 67	
1967-016A		2687	US	24 FEB	06 MAR 67	
1967-017A	COSMOS 143	2693	USSR	27 FEB	07 MAR 67	
1967-017B		2694	USSR	27 FEB	09 MAR 67	
1967-018A	COSMOS 144	2695	USSR	28 FEB	14 SEP 82	
1967-018B		2696	USSR	28 FEB	01 SEP 89	
1967-018C		3095	USSR	28 FEB	08 APR 71	
1967-019A	COSMOS 145	2697	USSR	03 MAR	08 MAR 68	
1967-019B		2698	USSR	03 MAR	01 DEC 67	
1967-020A	OSO 3	2703	US	08 MAR	04 APR 82	
1967-020B		2704	US	08 MAR	19 APR 70	
1967-020C		2987	US	08 MAR	30 JAN 70	
1967-021A	COSMOS 146	2705	USSR	10 MAR	18 MAR 67	
1967-021B		2709	USSR	10 MAR	19 MAR 67	
1967-021C		2815	USSR	10 MAR	11 MAR 67	
1967-022A	COSMOS 147	2710	USSR	13 MAR	21 MAR 67	
1967-022B		2711	USSR	13 MAR	22 MAR 67	
1967-023A	COSMOS 148	2712	USSR	16 MAR	07 MAY 67	
1967-023B		2713	USSR	16 MAR	14 APR 67	
1967-024A	COSMOS 149	2714	USSR	21 MAR	07 APR 67	
1967-024B		2716	USSR	21 MAR	24 MAR 67	
1967-024C		2724	USSR	21 MAR	26 MAR 67	
1967-024D		2725	USSR	21 MAR	26 MAR 67	
1967-024E		2726	USSR	21 MAR	27 MAR 67	
1967-024F		2727	USSR	21 MAR	27 MAR 67	
1967-024G		2728	USSR	21 MAR	27 MAR 67	
1967-024H		2729	USSR	21 MAR	12 APR 67	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1967-024J		2730	USSR	21 MAR	03 APR 67	
1967-024K		2731	USSR	21 MAR	03 APR 67	
1967-024L		2732	USSR	21 MAR	09 APR 67	
1967-024M		2733	USSR	21 MAR	28 MAR 67	
1967-024N		2734	USSR	21 MAR	28 MAR 67	
1967-024P		2737	USSR	21 MAR	27 MAR 67	
1967-024Q		2738	USSR	21 MAR	27 MAR 67	
1967-024R		2739	USSR	21 MAR	27 MAR 67	
1967-024S		2748	USSR	21 MAR	31 MAR 67	
1967-024T		2749	USSR	21 MAR	04 APR 67	
1967-025A	COSMOS 150	2715	USSR	22 MAR	30 MAR 67	
1967-025B		2718	USSR	22 MAR	30 MAR 67	
1967-026B		2719	US	23 MAR	07 JUL 67	
1967-026C		11984	US	23 MAR	20 JUN 81	
1967-027A	COSMOS 151	2720	USSR	24 MAR	06 MAY 91	
1967-027B		2721	USSR	24 MAR	03 JUL 88	
1967-027C		2776	USSR	24 MAR	28 NOV 67	
1967-027D		2797	USSR	24 MAR	12 OCT 70	
1967-028A	COSMOS 152	2722	USSR	25 MAR	05 AUG 67	
1967-028B		2723	USSR	25 MAR	22 MAY 67	
1967-029A		2736	US	30 MAR	17 APR 67	
1967-030A	COSMOS 153	2740	USSR	04 APR	12 APR 67	
1967-030B		2742	USSR	04 APR	11 APR 67	
1967-031A	ATS 2	2743	US	06 APR	02 SEP 69	
1967-031B		2744	US	06 APR	29 JUN 68	
1967-032A	COSMOS 154	2745	USSR	08 APR	10 APR 67	
1967-032B		2747	USSR	08 APR	09 APR 67	
1967-032C		2746	USSR	08 APR	19 APR 67	
1967-033A	COSMOS 155	2750	USSR	12 APR	20 APR 67	
1967-033B		2751	USSR	12 APR	16 APR 67	
1967-033C		2752	USSR	12 APR	13 APR 67	
1967-033D		2753	USSR	12 APR	16 APR 67	
1967-034F		6718	US	14 APR	06 MAR 80	
1967-034G		7670	US	14 APR	02 MAY 81	
1967-035A	SURVEYOR 3	2756	US	17 APR	20 APR 67	T*
1967-037A	SOYUZ 1	2759	USSR	23 APR	24 APR 67	AD*
1967-037B		2760	USSR	23 APR	24 APR 67	
1967-038A	SAN MARCO 2	2761	ITALY	26 APR	14 OCT 67	
1967-038B		2771	US	26 APR	29 MAY 67	
1967-039A	COSMOS 156	2762	USSR	27 APR	23 OCT 89	
1967-039B		2763	USSR	27 APR	27 OCT 91	
1967-041A	LUNAR ORBITER 4	2772	US	04 MAY	06 OCT 67	
1967-042A	ARIEL 3	2773	UK	05 MAY	14 DEC 70	
1967-042B		2774	US	05 MAY	05 DEC 70	
1967-042C		2859	US	05 MAY	05 MAY 68	
1967-042D		2860	US	05 MAY	05 MAY 68	
1967-043A		2779	US	09 MAY	13 JUL 67	
1967-043C		2824	US	09 MAY	06 JUN 67	
1967-044A	COSMOS 157	2781	USSR	12 MAY	20 MAY 67	
1967-044B		2782	USSR	12 MAY	24 MAY 67	
1967-044C		2783	USSR	12 MAY	13 MAY 67	
1967-044D		2784	USSR	12 MAY	12 MAY 67	
1967-044E		2785	USSR	12 MAY	14 MAY 67	
1967-045C		2823	USSR	15 MAY	21 DEC 91	
1967-045D		3737	USSR	15 MAY	16 NOV 89	
1967-046A	COSMOS 159	2805	USSR	17 MAY	11 NOV 77	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1967-046B		2804	USSR	17 MAY	29 MAY 67	
1967-046C		2803	USSR	17 MAY	02 JUN 67	
1967-046D		2808	USSR	17 MAY	22 MAY 67	
1967-046E		2809	USSR	17 MAY	22 MAY 67	
1967-046F		2924	USSR	17 MAY	14 APR 78	
1967-047A	COSMOS 160	2806	USSR	17 MAY	18 MAY 67	
1967-047B		2810	USSR	17 MAY	18 MAY 67	
1967-048C		17723	US	17 MAY	18 MAY 67	
1967-049A	COSMOS 161	2812	USSR	22 MAY	03 FEB 92	
1967-049B		2814	USSR	22 MAY	30 MAY 67	
1967-050A		2813	US	22 MAY	28 MAY 67	
1967-050B		2816	US	22 MAY	30 MAY 67	
1967-051A		2817	US	22 MAY	27 MAY 67	
1967-052A	EXPLORER 34	2822	USSR	24 MAY	03 MAY 69	
1967-052B	MOLNIYA 1-5	2818	USSR	24 MAY	26 NOV 71	
1967-052C		2819	USSR	24 MAY	05 JUN 67	
1967-052D		2820	USSR	24 MAY	15 JUN 67	
1967-052E		2821	USSR	24 MAY	28 MAY 67	
1967-052F		3224	USSR	24 MAY	28 MAY 67	
1967-052G		5439	USSR	24 MAY	16 DEC 71	
1967-054A	COSMOS 162	2827	USSR	24 MAY	01 SEP 71	
1967-054B		2829	USSR	01 JUN	09 JUN 67	
1967-054C		2830	USSR	01 JUN	04 JUN 67	
1967-055A		2831	US	01 JUN	02 JUN 67	
1967-055B		2835	US	04 JUN	12 JUN 67	
1967-056A	COSMOS 163	2832	USSR	04 JUN	06 JUN 67	
1967-056B		2833	USSR	05 JUN	11 OCT 67	
1967-057A	COSMOS 164	2836	USSR	05 JUN	12 SEP 67	
1967-057B		2837	USSR	08 JUN	14 JUN 67	
1967-057C		2838	USSR	08 JUN	17 JUN 67	
1967-058A	VENERA 4	2840	USSR	08 JUN	09 JUN 67	
1967-058B		2841	USSR	12 JUN	18 OCT 67	
1967-058C		2839	USSR	12 JUN	13 JUN 67	
1967-058D		2844	USSR	12 JUN	12 JUN 67	
1967-059A	COSMOS 165	2842	USSR	12 JUN	13 JUN 67	
1967-059B		2843	USSR	12 JUN	15 JAN 68	
1967-061A	COSMOS 166	2848	USSR	12 JUN	01 NOV 67	
1967-061B		2849	USSR	16 JUN	25 OCT 67	
1967-062A		2850	USSR	16 JUN	11 OCT 67	
1967-062B		2851	US	16 JUN	20 JUL 67	
1967-063A	COSMOS 167	2852	US	16 JUN	22 OCT 68	
1967-063B		2853	USSR	17 JUN	25 JUN 67	
1967-063C		2856	USSR	17 JUN	21 JUN 67	
1967-063D		2854	USSR	17 JUN	26 JUN 67	
1967-063E		2855	USSR	17 JUN	18 JUN 67	
1967-063F		2857	USSR	17 JUN	19 JUN 67	
1967-064A		2858	US	17 JUN	28 JUN 67	
1967-067A	COSMOS 168	2869	USSR	20 JUN	30 JUN 67	
1967-067B		2870	USSR	04 JUL	12 JUL 67	
1967-067C		2871	USSR	04 JUL	08 JUL 67	
1967-068A	SURVEYOR 4	2875	US	04 JUL	08 JUL 67	
1967-069A	COSMOS 169	2878	USSR	14 JUL	17 JUL 67	
1967-069B		2879	USSR	17 JUL	17 JUL 67	
1967-069C		2880	USSR	17 JUL	18 JUL 67	
1967-069D		2881	USSR	17 JUL	18 JUL 67	
1967-069E		2882	USSR	17 JUL	18 JUL 67	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1967-070B		2885	US	19 JUL	31 AUG 67	
1967-071A		2890	US	25 JUL	05 JUN 69	
1967-071B		2891	US	25 JUL	21 AUG 67	
1967-071C		2892	US	25 JUL	16 OCT 67	
1967-071D		2893	US	25 JUL	17 OCT 67	
1967-072A	OV1-86	2894	US	27 JUL	22 FEB 72	
1967-072B		2894	US	27 JUL	15 NOV 70	
1967-072C		2897	US	27 JUL	02 MAY 77	
1967-072D	OV1-12	2901	US	27 JUL	22 JUL 80	
1967-072E		2918	US	27 JUL	02 NOV 67	
1967-073A	OGO 4	2895	US	28 JUL	16 AUG 72	
1967-073B		2896	US	28 JUL	15 MAY 74	
1967-074A	COSMOS 170	2902	USSR	31 JUL	31 JUL 67	
1967-074B		2903	USSR	31 JUL	01 AUG 67	
1967-074C		2904	USSR	31 JUL	01 AUG 67	
1967-074D		2905	USSR	31 JUL	02 AUG 67	
1967-074E		2906	USSR	31 JUL	01 AUG 67	
1967-075A	LUNAR ORBITER 5	2907	US	01 AUG	31 JAN 68	G*
1967-076A		2910	US	07 AUG	01 SEP 67	
1967-076B		2923	US	07 AUG	25 AUG 67	
1967-077A	COSMOS 171	2911	USSR	08 AUG	08 AUG 67	
1967-077B		2912	USSR	08 AUG	09 AUG 67	
1967-077C		2913	USSR	08 AUG	09 AUG 67	
1967-077D		2915	USSR	08 AUG	08 AUG 67	
1967-077E		2916	USSR	08 AUG	09 AUG 67	
1967-078A	COSMOS 172	2914	USSR	09 AUG	17 AUG 67	
1967-078B		2917	USSR	09 AUG	13 AUG 67	
1967-079A		2919	US	16 AUG	29 AUG 67	
1967-081A	COSMOS 173	2921	USSR	24 AUG	17 DEC 67	
1967-081B		2922	USSR	24 AUG	30 OCT 67	
1967-082A	COSMOS 174	2925	USSR	31 AUG	30 DEC 68	
1967-082B		2926	USSR	31 AUG	15 SEP 67	
1967-082C		2927	USSR	31 AUG	19 SEP 67	
1967-082D		2928	USSR	31 AUG	05 SEP 67	
1967-083A	BIOSATELLITE 2	2935	US	07 SEP	04 OCT 67	
1967-083B		2936	US	07 SEP	19 JAN 68	
1967-083A	CAPSULE	61015	US	07 SEP	09 SEP 67	
1967-084A	SURVEYOR 5	2937	US	08 SEP	11 SEP 67	T*
1967-085A	COSMOS 175	2939	USSR	11 SEP	19 SEP 67	
1967-085B		2941	USSR	11 SEP	23 SEP 67	
1967-085C		2943	USSR	11 SEP	13 SEP 67	
1967-086A	COSMOS 176	2942	USSR	12 SEP	03 MAR 68	
1967-086B		2945	USSR	12 SEP	12 DEC 67	
1967-086C		2944	USSR	12 SEP	04 OCT 67	
1967-086D		2956	USSR	12 SEP	21 SEP 67	
1967-086E		2957	USSR	12 SEP	06 APR 68	
1967-086F		2958	USSR	12 SEP	12 MAR 75	
1967-086G		2959	USSR	12 SEP	02 APR 68	
1967-086H		2960	USSR	12 SEP	02 APR 68	
1967-086J		2961	USSR	12 SEP	06 OCT 67	
1967-086K		2979	USSR	12 SEP	13 JAN 68	
1967-086L		2983	USSR	12 SEP	04 NOV 67	
1967-086M		2984	USSR	12 SEP	31 OCT 67	
1967-087A		2946	US	15 SEP	04 OCT 67	
1967-088A	COSMOS 177	2947	USSR	16 SEP	24 SEP 67	
1967-088B		2948	USSR	16 SEP	19 SEP 67	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1967-089A	COSMOS 178	2951	USSR	19 SEP	19 SEP 67	
1967-089B		2953	USSR	19 SEP	20 SEP 67	
1967-089C		2954	USSR	19 SEP	19 SEP 67	
1967-089D		2955	USSR	19 SEP	19 SEP 67	
1967-090A		2952	US	19 SEP	30 SEP 67	
1967-091A	COSMOS 179	2962	USSR	22 SEP	22 SEP 67	
1967-091B		2963	USSR	22 SEP	23 SEP 67	
1967-091C		2964	USSR	22 SEP	22 SEP 67	
1967-092E		12554	US	25 SEP	22 SEP 67	
1967-092F		12555	US	25 SEP	20 MAR 89	
1967-092G		17176	US	25 SEP	02 FEB 89	
1967-092H		20009	US	25 SEP	03 OCT 91	
1967-092J		20652	US	25 SEP	12 SEP 91	
1967-093B		2968	USSR	25 SEP	26 SEP 91	
1967-093A	COSMOS 180	2966	USSR	25 SEP	05 OCT 67	
1967-094B		2970	USSR	26 SEP	04 OCT 67	
1967-094D		2972	US	28 SEP	26 DEC 67	
1967-095A	MOLNIYA 1-6	2973	US	28 SEP	27 OCT 67	
1967-095B		2974	USSR	03 OCT	04 MAR 69	
1967-095C		2975	USSR	03 OCT	17 OCT 67	
1967-097A	COSMOS 181	3225	USSR	03 OCT	21 OCT 67	
1967-097B		2981	USSR	11 OCT	10 FEB 69	
1967-098A	COSMOS 182	2995	USSR	11 OCT	19 OCT 67	
1967-098B		2996	USSR	16 OCT	24 OCT 67	
1967-098C		2999	USSR	16 OCT	24 OCT 67	
1967-099A	COSMOS 183	3001	USSR	18 OCT	18 OCT 67	
1967-099B		3002	USSR	18 OCT	19 OCT 67	
1967-099C		3003	USSR	18 OCT	18 OCT 67	
1967-100A	OSO 4	3000	US	18 OCT	15 JUN 82	
1967-100B		3004	US	18 OCT	02 MAY 80	
1967-101A	MOLNIYA 1-7	3008	USSR	22 OCT	31 DEC 69	
1967-101B		3005	USSR	22 OCT	07 NOV 67	
1967-101C		3006	USSR	22 OCT	03 NOV 67	
1967-101D		3007	USSR	22 OCT	28 OCT 67	
1967-101E		3009	USSR	22 OCT	27 OCT 67	
1967-101F		3226	USSR	22 OCT	16 JAN 70	
1967-102A	COSMOS 184	3010	USSR	24 OCT	02 APR 89	
1967-102B		3011	USSR	24 OCT	19 DEC 91	
1967-103A		3012	US	25 OCT	05 NOV 67	
1967-104A	COSMOS 185	3013	USSR	27 OCT	14 JAN 69	
1967-105A	COSMOS 186	3014	USSR	27 OCT	31 OCT 67	
1967-105B		3015	USSR	27 OCT	29 OCT 67	
1967-106A	COSMOS 187	3016	USSR	28 OCT	28 OCT 67	
1967-106B		3017	USSR	28 OCT	28 OCT 67	
1967-106C		3018	USSR	28 OCT	28 OCT 67	
1967-107A	COSMOS 188	3020	USSR	30 OCT	02 NOV 67	
1967-107B		3022	USSR	30 OCT	02 NOV 67	
1967-108A	COSMOS 189	3021	USSR	30 OCT	08 JUN 78	
1967-108B		3023	USSR	30 OCT	07 MAR 80	
1967-108C		3028	USSR	30 OCT	18 JUN 68	
1967-108D		3041	USSR	30 OCT	23 DEC 67	
1967-108E		3042	USSR	30 OCT	24 JUN 68	
1967-108F		6362	USSR	30 OCT	27 FEB 74	
1967-108G		6696	USSR	30 OCT	27 FEB 74	
1967-108H		6697	USSR	30 OCT	29 MAR 77	

DECAYED OBJECTS				LAUNCH		DECAY		NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH		DECAY		
1967-108J		6698	USSR	30 OCT		13 MAY	74	
1967-108K		6699	USSR	30 OCT		29 MAR	74	
1967-108L		6701	USSR	30 OCT		10 FEB	74	
1967-109A		3024	US	02 NOV		02 DEC	67	
1967-109B		3025	US	02 NOV		28 MAR	69	
1967-110A		3026	USSR	03 NOV		11 NOV	67	
1967-110B		3027	USSR	03 NOV		09 NOV	67	
1967-111B		3030	US	05 NOV		08 AUG	68	
1967-112A		3031	US	07 NOV		10 NOV	67	T*
1967-113A		3032	US	09 NOV		09 NOV	67	B*
1967-113B		3033	US	09 NOV		09 NOV	67	
1967-115A		3043	USSR	21 NOV		02 MAR	68	
1967-115B		3044	USSR	21 NOV		14 JAN	68	
1967-115B		3052	USSR	25 NOV		03 DEC	67	
1967-117A		3053	USSR	25 NOV		01 DEC	67	
1967-118A		3054	AUSTRL	29 NOV		10 JAN	68	
1967-119A		3055	USSR	03 DEC		11 DEC	67	
1967-119B		3056	USSR	03 DEC		09 DEC	67	
1967-120A		3057	US	05 DEC		09 MAR	69	
1967-120B		3059	US	05 DEC		08 APR	68	
1967-120C		3060	US	05 DEC		18 JUN	68	
1967-120D		3061	US	05 DEC		25 DEC	67	
1967-120E		3062	US	05 DEC		27 MAR	68	
1967-121A		3058	US	05 DEC		16 DEC	67	
1967-122A		3063	US	09 DEC		25 DEC	67	
1967-123A		3067	US	13 DEC		28 APR	68	
1967-123B	TATS 1	3068	US	13 DEC		01 APR	68	
1967-123C		3069	US	13 DEC		12 FEB	68	
1967-123D		3070	US	13 DEC		24 DEC	67	
1967-123E		3071	USSR	16 DEC		23 DEC	67	
1967-124A		3072	USSR	16 DEC		18 DEC	67	
1967-124B		3073	USSR	16 DEC		07 JUL	68	
1967-124C		3074	USSR	19 DEC		20 FEB	68	
1967-125A		3075	USSR	19 DEC		07 JAN	68	
1967-125B		3076	USSR	19 DEC		07 JAN	68	
1967-125C		3077	USSR	19 DEC		07 JAN	68	
1967-125E		3078	USSR	19 DEC		07 JAN	68	
1967-125E		3079	USSR	26 DEC		30 JAN	68	
1967-126A		3080	USSR	26 DEC		08 JAN	68	
1967-126B		3083	USSR	26 DEC		10 JAN	68	
1967-126C		3084	USSR	26 DEC		05 JAN	68	
1967-126D		3085	USSR	26 DEC		18 JAN	68	
1967-126E		3086	USSR	26 DEC		26 JAN	68	
1967-126F		3087	USSR	26 DEC		03 JAN	68	
1967-126G		3089	USSR	26 DEC		30 DEC	67	
1967-126H		3090	USSR	26 DEC		30 DEC	67	
1967-126J		3082	USSR	27 DEC		21 JAN	68	
1967-127B		3088	USSR	27 DEC		31 DEC	67	
1967-127C								
1968 LAUNCHES								
1968-001A	SURVEYOR 7	3091	US	07 JAN		10 JAN	68	T*
1968-003A	COSMOS 199	3099	USSR	16 JAN		01 FEB	68	
1968-003B		3096	USSR	16 JAN		25 JAN	68	
1968-003C		3115	USSR	16 JAN		30 JAN	68	
1968-003D		3117	USSR	16 JAN		03 FEB	68	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1968-004A		3097	US	17 JAN	07 JUL 70	
1968-004B		3101	US	17 JAN	29 MAR 68	
1968-004C		3116	US	17 JAN	22 MAR 68	
1968-005A		3098	US	18 JAN	04 FEB 68	
1968-006A	COSMOS 200	3100	USSR	19 JAN	24 FEB 73	
1968-006B		3102	USSR	19 JAN	04 FEB 72	
1968-006C		3103	USSR	19 JAN	04 FEB 72	
1968-006D		3104	USSR	19 JAN	30 SEP 80	
1968-006E		3109	USSR	19 JAN	06 APR 68	
1968-006F		3110	USSR	19 JAN	11 APR 68	
1968-006G		3111	USSR	19 JAN	11 APR 68	
1968-006H		3112	USSR	19 JAN	15 APR 68	
1968-007A	LM-1/ASCENT	3106	US	19 JAN	16 JUN 68	
1968-007B	LM-1/DESCENT	3107	US	22 JAN	24 JAN 68	
1968-007C		3108	US	22 JAN	12 FEB 68	
1968-008A		3113	US	22 JAN	23 JAN 68	
1968-008B		3114	US	24 JAN	27 FEB 68	
1968-008C		3120	US	24 JAN	04 MAR 70	
1968-009A	COSMOS 201	3118	USSR	24 JAN	12 FEB 68	
1968-009B		3119	USSR	06 FEB	14 FEB 68	
1968-010A	COSMOS 202	3128	USSR	06 FEB	13 FEB 68	
1968-010B		3130	USSR	20 FEB	24 MAR 68	
1968-011C		3147	USSR	20 FEB	04 MAR 68	
1968-012E		18594	US	20 FEB	27 MAY 82	
1968-013B		3135	USSR	02 MAR	19 APR 91	
1968-013C		3136	USSR	02 MAR	07 MAR 68	
1968-013D		3144	USSR	02 MAR	07 MAR 68	
1968-015A	COSMOS 204	3139	USSR	02 MAR	05 MAR 68	
1968-015B		3143	USSR	05 MAR	02 MAR 69	
1968-016A	COSMOS 205	3140	USSR	05 MAR	13 OCT 68	
1968-016B		3142	USSR	05 MAR	13 MAR 68	
1968-017A	EXPLORER 37	3141	US	05 MAR	09 MAR 68	
1968-017B		3146	US	05 MAR	16 NOV 90	
1968-017C		3215	US	05 MAR	25 DEC 80	
1968-017D		3328	US	05 MAR	11 APR 69	
1968-017E		5743	US	05 MAR	08 SEP 91	
1968-018A		3148	US	13 MAR	25 OCT 77	
1968-019A	COSMOS 206	3150	USSR	13 MAR	24 MAR 68	
1968-019B		3151	USSR	14 MAR	22 APR 89	
1968-020A		3152	US	14 MAR	05 NOV 92	
1968-020B		3153	US	14 MAR	10 APR 68	
1968-021A	COSMOS 207	3154	USSR	16 MAR	03 JAN 70	
1968-021B		3155	USSR	16 MAR	24 MAR 68	
1968-022A	COSMOS 208	3156	USSR	21 MAR	22 MAR 68	
1968-022B		3157	USSR	21 MAR	02 APR 68	
1968-022C		3167	USSR	21 MAR	25 MAR 68	
1968-023B		3160	USSR	21 MAR	06 APR 68	
1968-023C		3161	USSR	22 MAR	29 MAR 68	
1968-023D		3162	USSR	22 MAR	25 MAR 68	
1968-023E		3165	USSR	22 MAR	10 APR 68	
1968-024A	COSMOS 210	3168	USSR	22 MAR	04 MAY 68	
1968-024B		3169	USSR	03 APR	11 APR 68	
1968-024C		3172	USSR	03 APR	12 APR 68	
1968-025A	APOLLO 6	3170	US	03 APR	05 APR 68	
1968-025B		3171	US	04 APR	04 APR 68	
1968-025C		3185	US	04 APR	25 APR 68	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1968-025D		3186	US	04 APR	05 MAY 68	
1968-025E		3187	US	04 APR	03 SEP 68	
1968-025F		3188	US	04 APR	29 APR 68	
1968-025G		3189	US	04 APR	20 APR 68	
1968-025H		3190	US	04 APR	17 APR 68	
1968-025J		3191	US	04 APR	17 APR 68	
1968-025K		3192	US	04 APR	17 APR 68	
1968-025L		3195	US	04 APR	01 MAY 68	
1968-025M		3196	US	04 APR	22 APR 68	
1968-025N		3197	US	04 APR	16 APR 68	
1968-025P		3198	US	04 APR	17 APR 68	
1968-025Q		3200	US	04 APR	17 APR 68	
1968-025R		3201	US	04 APR	16 APR 68	
1968-025S		3202	US	04 APR	17 APR 68	
1968-027B		3179	USSR	07 APR	09 APR 68	
1968-027C		3180	USSR	07 APR	09 APR 68	
1968-028A	COSMOS 211	3181	USSR	09 APR	10 NOV 68	
1968-028B		3182	USSR	09 APR	17 AUG 68	
1968-029A	COSMOS 212	3183	USSR	14 APR	19 APR 68	
1968-029B		3184	USSR	14 APR	16 APR 68	
1968-030A	COSMOS 213	3193	USSR	15 APR	20 APR 68	
1968-030B		3194	USSR	15 APR	19 APR 68	
1968-031A		3199	US	17 APR	29 APR 68	
1968-032A	COSMOS 214	3203	USSR	18 APR	26 APR 68	
1968-032B		3204	USSR	18 APR	29 APR 68	
1968-033A	COSMOS 215	3205	USSR	18 APR	30 JUN 68	
1968-033B		3206	USSR	18 APR	19 MAY 68	
1968-034A	COSMOS 216	3207	USSR	20 APR	28 APR 68	
1968-034B		3208	USSR	20 APR	23 APR 68	
1968-035A	MOLNIYA 1-8	3209	USSR	21 APR	29 JAN 74	
1968-035B		3211	USSR	21 APR	11 MAY 68	
1968-035C		3210	USSR	21 APR	29 MAY 68	
1968-035D		3514	USSR	21 APR	09 JUL 74	
1968-036A		3216	USSR	24 APR	26 APR 68	
1968-037A	COSMOS 217	3217	USSR	25 APR	25 APR 68	
1968-037B	COSMOS 218	3219	USSR	25 APR	25 APR 68	
1968-037C		3218	USSR	25 APR	25 APR 68	
1968-038A	COSMOS 219	3220	USSR	26 APR	02 MAR 69	
1968-038B		3221	USSR	26 APR	24 FEB 69	
1968-038C		3227	USSR	26 APR	03 JUN 68	
1968-039A		3228	US	01 MAY	15 MAY 68	
1968-039B		3232	US	01 MAY	20 MAY 68	
1968-040C		3231	USSR	07 MAY	09 SEP 90	
1968-041A	IRIS	3233	ESRO	17 MAY	08 MAY 71	
1968-041B		3234	US	17 MAY	31 MAR 70	
1968-041C		3265	US	17 MAY	04 NOV 68	
1968-043A	COSMOS 221	3269	USSR	24 MAY	31 AUG 69	
1968-043B		3270	USSR	24 MAY	13 APR 69	
1968-044A	COSMOS 222	3272	USSR	30 MAY	11 OCT 68	
1968-044B		3273	USSR	30 MAY	13 AUG 68	
1968-045A	COSMOS 223	3274	USSR	01 JUN	09 JUN 68	
1968-045B		3275	USSR	01 JUN	12 JUN 68	
1968-046A	COSMOS 224	3276	USSR	04 JUN	07 JUN 68	
1968-046B		3277	USSR	04 JUN	17 JUN 68	
1968-047A		3278	US	05 JUN	02 NOV 68	
1968-048A	COSMOS 225	3279	USSR	11 JUN		

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1968-048B		3280	USSR	11 JUN	15 AUG 68	
1968-048C		3281	USSR	11 JUN	19 JUN 68	
1968-048D		3293	USSR	11 JUN	21 JUN 68	
1968-049A	COSMOS 226	3282	USSR	12 JUN	18 OCT 83	
1968-049B		3283	USSR	12 JUN	26 JAN 91	
1968-051A	COSMOS 227	3294	USSR	18 JUN	26 JUN 68	
1968-051B		3295	USSR	18 JUN	21 JUN 68	
1968-052A		3296	US	20 JUN	16 JUL 68	
1968-052B		3297	US	20 JUN	11 JAN 70	
1968-053A	COSMOS 228	3298	USSR	21 JUN	03 JUL 68	
1968-053B		3300	USSR	21 JUN	24 JUN 68	
1968-053C		3299	USSR	21 JUN	23 JUN 68	
1968-053D		3301	USSR	21 JUN	23 JUN 68	
1968-053E		3302	USSR	21 JUN	23 JUN 68	
1968-053F		3303	USSR	21 JUN	23 JUN 68	
1968-053G		3306	USSR	21 JUN	07 JUL 68	
1968-054A	COSMOS 229	3304	USSR	21 JUN	04 JUL 68	
1968-054B		3305	USSR	26 JUN	04 JUL 68	
1968-056A	COSMOS 230	3308	USSR	26 JUN	02 NOV 68	
1968-056B		3309	USSR	05 JUL	16 OCT 68	
1968-057A	MOLNIYA 1-9	3310	USSR	05 JUL	15 MAY 71	
1968-057B		3311	USSR	06 JUL	09 AUG 68	
1968-057C		3312	USSR	06 JUL	22 AUG 68	
1968-057D		3313	USSR	06 JUL	08 JUL 68	
1968-057E		3314	USSR	06 JUL	18 JUL 68	
1968-057F		3315	USSR	06 JUL	02 SEP 70	
1968-058A	COSMOS 231	3316	USSR	10 JUL	18 JUL 68	
1968-058B		3317	USSR	10 JUL	20 JUL 68	
1968-059A	OVI-15	3318	US	11 JUL	06 NOV 68	
1968-059B	OVI-16	3319	US	11 JUL	19 AUG 68	
1968-059C		3320	US	11 JUL	16 AUG 68	
1968-059D		3321	US	11 JUL	16 JUL 68	
1968-060A	COSMOS 232	3322	USSR	16 JUL	24 JUL 68	
1968-060B		3323	USSR	16 JUL	26 JUL 68	
1968-061A	COSMOS 233	3326	USSR	18 JUL	07 FEB 69	
1968-061B		3327	USSR	18 JUL	01 JAN 69	
1968-062A	COSMOS 234	3332	USSR	30 JUL	05 AUG 68	
1968-062B		3333	USSR	30 JUL	07 AUG 68	
1968-064A		3335	US	06 AUG	16 AUG 68	
1968-065A		3336	US	07 AUG	16 AUG 68	
1968-066A	EXPLORER 39	3337	US	08 AUG	27 AUG 68	
1968-067A	COSMOS 235	3339	USSR	09 AUG	22 JUN 81	
1968-067B		3340	USSR	09 AUG	17 AUG 68	
1968-068A	ATS 4	3344	US	10 AUG	14 AUG 68	
1968-070A	COSMOS 236	3347	USSR	27 AUG	17 OCT 68	
1968-070B		3349	USSR	27 AUG	04 MAR 90	
1968-071A	COSMOS 237	3348	USSR	27 AUG	08 OCT 82	
1968-071B		3350	USSR	27 AUG	04 SEP 68	
1968-072A	COSMOS 238	3351	USSR	28 AUG	04 SEP 68	
1968-072B		3352	USSR	28 AUG	01 SEP 68	
1968-073A	COSMOS 239	3353	USSR	05 SEP	30 AUG 68	
1968-073B		3354	USSR	05 SEP	13 SEP 68	
1968-074A		3375	US	10 SEP	09 SEP 68	
1968-075A	COSMOS 240	3388	USSR	14 SEP	25 SEP 68	
1968-075B		3389	USSR	14 SEP	21 SEP 68	
1968-076A	ZOND 5	3394	USSR	14 SEP	17 SEP 68	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1968-076B		3395	USSR	14 SEP	16 SEP 68	
1968-076C		3396	USSR	14 SEP	18 SEP 68	
1968-076D		3397	USSR	14 SEP	16 SEP 68	
1968-077A	COSMOS 241	3398	USSR	16 SEP	24 SEP 68	
1968-077B		3399	USSR	16 SEP	22 SEP 68	
1968-078A		3408	US	18 SEP	08 OCT 68	
1968-078B		3409	US	18 SEP	28 SEP 69	
1968-079A	COSMOS 242	3414	USSR	20 SEP	13 NOV 68	
1968-079B		3415	USSR	22 SEP	22 OCT 68	
1968-080A	COSMOS 243	3418	USSR	23 SEP	04 OCT 68	
1968-080B		3419	USSR	23 SEP	29 SEP 68	
1968-080C		3452	USSR	23 SEP	12 OCT 68	
1968-081B	ERS 28	3429	US	26 SEP	15 FEB 71	
1968-081F		5999	US	26 SEP	14 MAR 75	
1968-082A	COSMOS 244	3449	USSR	02 OCT	02 OCT 68	
1968-082B		3451	USSR	02 OCT	03 OCT 68	
1968-082C		3450	USSR	02 OCT	02 OCT 68	
1968-083A	COSMOS 245	3457	USSR	03 OCT	15 JAN 69	
1968-083B		3458	USSR	03 OCT	16 NOV 68	
1968-084A	ESRO 1	3459	ESRO	03 OCT	26 JUN 70	
1968-084B		3460	US	03 OCT	13 AUG 69	
1968-084C		3479	US	03 OCT	12 APR 69	
1968-084D		3916	US	03 OCT	09 MAY 69	
1968-085A	MOLNIYA 1-10	3469	USSR	05 OCT	16 JUL 76	
1968-085B		3470	USSR	05 OCT	30 OCT 68	
1968-085C		3471	USSR	05 OCT	04 NOV 68	
1968-085D		3513	USSR	05 OCT	07 MAY 75	
1968-086A		3472	US	05 OCT	26 MAR 71	
1968-087A	COSMOS 246	3473	USSR	07 OCT	12 OCT 68	
1968-087B		3474	USSR	07 OCT	08 OCT 68	
1968-088A	COSMOS 247	3484	USSR	11 OCT	19 OCT 68	
1968-088B		3485	USSR	11 OCT	18 OCT 68	
1968-089A	APOLLO 7	3486	US	11 OCT	22 OCT 68	
1968-089B		3487	US	11 OCT	18 OCT 68	
1968-090A	COSMOS 248	3503	USSR	19 OCT	26 FEB 80	
1968-090B		3571	USSR	19 OCT	28 DEC 68	
1968-090C		3572	USSR	19 OCT	20 FEB 69	
1968-090D		3573	USSR	19 OCT	06 FEB 69	
1968-090E		3580	USSR	19 OCT	13 DEC 68	
1968-091AB		3609	USSR	20 OCT	26 DEC 82	
1968-091AC		3677	USSR	20 OCT	29 MAY 80	
1968-091AD		3678	USSR	20 OCT	07 JUN 81	
1968-091AF		3680	USSR	20 OCT	09 JUN 81	
1968-091AG		3681	USSR	20 OCT	15 JUN 92	
1968-091AH		3682	USSR	20 OCT	14 DEC 77	
1968-091AK		3693	USSR	20 OCT	05 DEC 76	
1968-091AM		3697	USSR	20 OCT	03 JAN 78	
1968-091AP		3702	USSR	20 OCT	05 DEC 76	
1968-091AQ		3706	USSR	20 OCT	05 JUL 70	
1968-091AS		3754	USSR	20 OCT	21 MAY 75	
1968-091AW		3789	USSR	20 OCT	02 JUL 75	
1968-091AY		3791	USSR	20 OCT	29 JAN 90	
1968-091AZ		3792	USSR	20 OCT	13 APR 81	
1968-091B		3505	USSR	20 OCT	21 OCT 68	
1968-091BC		3795	USSR	20 OCT	21 MAY 80	
1968-091BD		3796	USSR	20 OCT	23 JAN 77	

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DECAYED OBJECTS			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1968-091BE		3797	USSR	20 OCT	10 DEC 88
1968-091BF		3872	USSR	20 OCT	15 FEB 70
1968-091BG		3873	USSR	20 OCT	03 NOV 89
1968-091BJ		3875	USSR	20 OCT	27 MAY 81
1968-091BK		3876	USSR	20 OCT	15 JUN 75
1968-091BM		3909	USSR	20 OCT	16 MAR 75
1968-091BN		3910	USSR	20 OCT	18 MAY 82
1968-091BS		3934	USSR	20 OCT	24 AUG 77
1968-091BT		3959	USSR	20 OCT	29 OCT 79
1968-091BU		3960	USSR	20 OCT	26 NOV 78
1968-091BV		3961	USSR	20 OCT	12 NOV 82
1968-091BX		4002	USSR	20 OCT	03 AUG 70
1968-091BZ		4500	USSR	20 OCT	12 DEC 70
1968-091CC		5717	USSR	20 OCT	14 MAY 82
1968-091CE		6045	USSR	20 OCT	06 MAR 81
1968-091CH		6751	USSR	20 OCT	27 SEP 89
1968-091CK		6764	USSR	20 OCT	27 OCT 79
1968-091CP		14413	USSR	20 OCT	24 AUG 88
1968-091CR		14415	USSR	20 OCT	12 APR 86
1968-091CU		14429	USSR	20 OCT	12 DEC 89
1968-091CW		15518	USSR	20 OCT	01 APR 88
1968-091D		3507	USSR	20 OCT	09 AUG 89
1968-091DB		15776	USSR	20 OCT	06 APR 86
1968-091DC		17667	USSR	20 OCT	14 JUN 92
1968-091DK		19476	USSR	20 OCT	01 OCT 88
1968-091DM		19879	USSR	20 OCT	30 APR 89
1968-091G		3518	USSR	20 OCT	13 NOV 79
1968-091H		3519	USSR	20 OCT	06 MAR 82
1968-091J		3520	USSR	20 OCT	29 MAY 81
1968-091K		3521	USSR	20 OCT	06 APR 74
1968-091N		3525	USSR	20 OCT	19 OCT 81
1968-091P		3581	USSR	20 OCT	07 SEP 82
1968-091Q		3582	USSR	20 OCT	28 MAR 80
1968-091T		3585	USSR	20 OCT	09 FEB 90
1968-091U		3586	USSR	20 OCT	31 MAR 70
1968-091W		3588	USSR	20 OCT	05 MAY 69
1968-091Z		3607	USSR	20 OCT	20 MAR 91
1968-093A	SOYUZ 2	3511	USSR	25 OCT	28 OCT 68
1968-093B		3512	USSR	25 OCT	27 OCT 68
1968-091DP	SOYUZ 3	20015	USSR	26 OCT	24 JUL 89
1968-094A		3516	USSR	26 OCT	30 OCT 68
1968-094B		3517	USSR	26 OCT	28 OCT 68
1968-095A	COSMOS 250	3526	USSR	30 OCT	15 FEB 78
1968-095B		3527	USSR	30 OCT	08 NOV 78
1968-095C		3659	USSR	30 OCT	08 APR 69
1968-095D		3660	USSR	30 OCT	05 MAY 69
1968-095E		3661	USSR	30 OCT	17 APR 69
1968-095F		3662	USSR	30 OCT	26 MAR 69
1968-095G		8780	USSR	30 OCT	17 OCT 76
1968-096A	COSMOS 251	3528	USSR	31 OCT	18 NOV 68
1968-096B		3529	USSR	31 OCT	02 NOV 68
1968-096C		3540	USSR	31 OCT	16 NOV 68
1968-096D		3541	USSR	31 OCT	13 NOV 68
1968-097AA		3610	USSR	01 NOV	24 AUG 91
1968-097AB		3684	USSR	01 NOV	28 MAR 82
1968-097AC		3685	USSR	01 NOV	02 OCT 91

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1968-097AF		3688	USSR	01 NOV	15 SEP 78	
1968-097AG		3689	USSR	01 NOV	13 JUL 74	
1968-097AJ		3694	USSR	01 NOV	28 OCT 80	
1968-097AK		3696	USSR	01 NOV	10 MAR 70	
1968-097AM		3704	USSR	01 NOV	09 SEP 74	
1968-097AN		3711	USSR	01 NOV	22 APR 69	
1968-097AP		3712	USSR	01 NOV	26 FEB 73	
1968-097AR		3714	USSR	01 NOV	20 DEC 80	
1968-097AS		3715	USSR	01 NOV	14 DEC 76	
1968-097AT		3716	USSR	01 NOV	12 SEP 81	
1968-097AY		3786	USSR	01 NOV	21 DEC 79	
1968-097AZ		3787	USSR	01 NOV	12 NOV 82	
1968-097BB		3813	USSR	01 NOV	03 NOV 81	
1968-097BD		3815	USSR	01 NOV	04 OCT 69	
1968-097BE		3816	USSR	01 NOV	25 JUN 82	
1968-097BF		3817	USSR	01 NOV	07 DEC 82	
1968-097BH		3896	USSR	01 NOV	12 NOV 82	
1968-097BJ		3897	USSR	01 NOV	02 JAN 82	
1968-097BP		3902	USSR	01 NOV	02 DEC 81	
1968-097BQ		3903	USSR	01 NOV	12 NOV 82	
1968-097BR		3904	USSR	01 NOV	24 OCT 79	
1968-097BT		3946	USSR	01 NOV	27 MAY 69	
1968-097BU		3953	USSR	01 NOV	13 APR 81	
1968-097BV		3979	USSR	01 NOV	02 JUL 71	
1968-097BW		3997	USSR	01 NOV	22 NOV 82	
1968-097BX		4010	USSR	01 NOV	10 SEP 69	
1968-097BY		4011	USSR	01 NOV	12 NOV 82	
1968-097BZ		4012	USSR	01 NOV	09 MAR 79	
1968-097C		3550	USSR	01 NOV	08 MAY 88	
1968-097CA		4013	USSR	01 NOV	16 OCT 80	
1968-097CB		4018	USSR	01 NOV	10 NOV 82	
1968-097CC		4024	USSR	01 NOV	06 SEP 91	
1968-097CD		4030	USSR	01 NOV	02 FEB 82	
1968-097CE		4031	USSR	01 NOV	30 JUL 82	
1968-097CG		5030	USSR	01 NOV	26 FEB 78	
1968-097CH		5223	USSR	01 NOV	02 MAY 83	
1968-097CK		5334	USSR	01 NOV	23 FEB 72	
1968-097CM		5418	USSR	01 NOV	19 NOV 82	
1968-097CN		5460	USSR	01 NOV	29 OCT 83	
1968-097CP		5514	USSR	01 NOV	05 JAN 81	
1968-097CQ		5515	USSR	01 NOV	06 FEB 78	
1968-097CR		5516	USSR	01 NOV	10 OCT 79	
1968-097CS		5517	USSR	01 NOV	08 OCT 82	
1968-097CT		5518	USSR	01 NOV	20 NOV 76	
1968-097CU		5592	USSR	01 NOV	22 JUL 79	
1968-097CV		5594	USSR	01 NOV	25 NOV 78	
1968-097CX		5631	USSR	01 NOV	15 OCT 81	
1968-097CY		5632	USSR	01 NOV	09 MAR 73	
1968-097CZ		5749	USSR	01 NOV	12 OCT 76	
1968-097DA		5788	USSR	01 NOV	05 SEP 81	
1968-097DB		5789	USSR	01 NOV	21 SEP 89	
1968-097DC		5790	USSR	01 NOV	18 AUG 81	
1968-097DE		5827	USSR	01 NOV	19 NOV 82	
1968-097DF		5828	USSR	01 NOV	19 NOV 82	
1968-097DG		5829	USSR	01 NOV	31 MAR 78	
1968-097DH		5830	USSR	01 NOV	21 FEB 79	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1968-097DJ		5870	USSR	01 NOV	20 JUN 81	
1968-097DL		5872	USSR	01 NOV	16 FEB 90	
1968-097DM		5873	USSR	01 NOV	16 JUN 79	
1968-097DN		5874	USSR	01 NOV	25 OCT 79	
1968-097DP		5875	USSR	01 NOV	09 MAY 81	
1968-097DQ		5889	USSR	01 NOV	19 NOV 82	
1968-097DR		5890	USSR	01 NOV	01 MAR 77	
1968-097DS		5891	USSR	01 NOV	31 JAN 77	
1968-097DT		5966	USSR	01 NOV	03 JAN 77	
1968-097DU		6175	USSR	01 NOV	27 SEP 75	
1968-097DX		10394	USSR	01 NOV	09 APR 91	
1968-097DZ		14418	USSR	01 NOV	30 SEP 88	
1968-097E		3552	USSR	01 NOV	06 JUL 89	
1968-097EA		14419	USSR	01 NOV	15 FEB 89	
1968-097EC		14840	USSR	01 NOV	26 JAN 88	
1968-097EH		17668	USSR	01 NOV	11 FEB 92	
1968-097EL		18488	USSR	01 NOV	19 JUL 90	
1968-097EM		18489	USSR	01 NOV	03 JAN 90	
1968-097EN		18490	USSR	01 NOV	25 JUL 90	
1968-097EP		18556	USSR	01 NOV	03 JAN 90	
1968-097ER		18618	USSR	01 NOV	02 JAN 89	
1968-097EV		21749	USSR	01 NOV	29 MAR 92	
1968-097J		3556	USSR	01 NOV	20 NOV 82	
1968-097T		3567	USSR	01 NOV	02 MAR 82	
1968-097U		3568	USSR	01 NOV	19 APR 79	
1968-097W		3570	USSR	01 NOV	10 APR 82	
1968-097X		3593	USSR	01 NOV	09 OCT 81	
1968-097Y		3600	USSR	01 NOV	03 NOV 81	
1968-097Z		3601	USSR	01 NOV	30 JUN 80	
1968-098A		3531	US	03 NOV	23 NOV 68	
1968-099A		3532	US	06 NOV	20 NOV 68	
1968-100B	TETR 2	3534	US	08 NOV	19 SEP 79	
1968-100C		3546	US	08 NOV	06 OCT 71	
1968-100D		3547	US	08 NOV	13 APR 78	
1968-100E		3548	US	08 NOV	06 JAN 72	
1968-101A	ZOND 6	3535	USSR	10 NOV	17 NOV 68	
1968-101B		3536	USSR	10 NOV	12 NOV 68	
1968-101C		3537	USSR	10 NOV	13 NOV 68	
1968-101D		3538	USSR	10 NOV	13 NOV 68	
1968-101E		3539	USSR	10 NOV	13 NOV 68	
1968-102A	COSMOS 253	3542	USSR	13 NOV	18 NOV 68	
1968-102B		3543	USSR	13 NOV	20 NOV 68	
1968-103A	PROTON 4	3544	USSR	16 NOV	24 JUL 69	
1968-103B		3545	USSR	16 NOV	25 JAN 69	
1968-104A	COSMOS 254	3562	USSR	21 NOV	29 NOV 68	
1968-104B		3563	USSR	21 NOV	27 NOV 68	
1968-105A	COSMOS 255	3574	USSR	29 NOV	07 DEC 68	
1968-105B		3575	USSR	29 NOV	05 DEC 68	
1968-107A	COSMOS 257	3578	USSR	03 DEC	05 MAR 69	
1968-107B		3579	USSR	03 DEC	16 JAN 69	
1968-108A	HEOS-A1	3594	US	04 DEC	12 DEC 68	
1968-109A		3595	US	05 DEC	28 OCT 75	
1968-109B		3596	US	05 DEC	27 DEC 68	
1968-111A	COSMOS 258	3602	USSR	10 DEC	18 DEC 68	
1968-111B		3603	USSR	10 DEC	17 DEC 68	
1968-112A		3604	US	12 DEC	28 DEC 68	

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DECAYED OBJECTS

INTER-NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1968-113A	COSMOS 259	3612	USSR	14 DEC	05 MAY 69	
1968-113B		3613	USSR	14 DEC	10 MAY 69	
1968-113C		3614	USSR	14 DEC	13 MAY 69	
1968-115A	COSMOS 260	3619	USSR	16 DEC	09 JUL 73	
1968-115B		3620	USSR	16 DEC	06 FEB 69	
1968-115C		3621	USSR	16 DEC	18 JAN 69	
1968-115D		3622	USSR	16 DEC	21 SEP 73	
1968-116B		5978	US	19 DEC	26 JUN 73	
1968-117A	COSMOS 261	3624	USSR	19 DEC	12 FEB 69	
1968-117B		3625	USSR	19 DEC	07 JAN 69	AF*
1968-117C		3628	USSR	19 DEC	06 JAN 69	
1968-117D		3631	USSR	19 DEC	01 FEB 69	
1968-117E		3632	USSR	19 DEC	22 JAN 69	
1968-117F		3633	USSR	19 DEC	17 FEB 69	
1968-117G		3634	USSR	19 DEC	18 AUG 69	
1968-117H		3635	USSR	19 DEC	15 MAR 69	
1968-117J		3636	USSR	19 DEC	01 FEB 69	
1968-117K		3637	USSR	19 DEC	22 JAN 69	
1968-117L		3638	USSR	19 DEC	13 FEB 69	
1968-117M		3639	USSR	19 DEC	02 MAY 69	
1968-117N		3640	USSR	19 DEC	10 FEB 69	
1968-117P		3641	USSR	19 DEC	07 MAY 69	
1968-117Q		3644	USSR	19 DEC	06 MAR 69	
1968-117R		3645	USSR	19 DEC	08 MAR 69	
1968-117S		3647	USSR	19 DEC	19 MAR 69	
1968-117T		3698	USSR	19 DEC	20 MAR 69	
1968-117U		3700	USSR	19 DEC	14 MAR 69	
1968-117V		3703	USSR	19 DEC	17 FEB 69	
1968-117W		3705	USSR	19 DEC	15 FEB 69	
1968-117X		3709	USSR	19 DEC	21 FEB 69	
1968-117Y		3710	USSR	19 DEC	04 MAR 69	
1968-117Z		3768	USSR	19 DEC	04 MAR 69	
1968-118A	APOLLO 8	3626	US	21 DEC	27 DEC 68	AG*
1968-119A	COSMOS 262	3629	USSR	26 DEC	18 JUL 69	
1968-119B		3630	USSR	26 DEC	30 APR 69	
1969 LAUNCHES						
1969-001A	VENERA 5	3642	USSR	05 JAN	16 MAY 69	N*
1969-001B		3643	USSR	05 JAN	06 JAN 69	
1969-001C		3646	USSR	05 JAN	07 JAN 69	
1969-002A	VENERA 6	3648	USSR	10 JAN	17 MAY 69	N*
1969-002B		3649	USSR	10 JAN	11 JAN 69	
1969-002C		3650	USSR	10 JAN	13 JAN 69	
1969-003A	COSMOS 263	3651	USSR	12 JAN	20 JAN 69	
1969-003B		3652	USSR	12 JAN	18 JAN 69	
1969-003C		3653	USSR	12 JAN	19 JAN 69	
1969-004A	SOYUZ 4	3654	USSR	14 JAN	17 JAN 69	E*
1969-004B		3655	USSR	14 JAN	15 JAN 69	E*
1969-005A	SOYUZ 5	3656	USSR	15 JAN	18 JAN 69	
1969-005B		3657	USSR	15 JAN	17 JAN 69	
1969-005C		3658	USSR	15 JAN	18 JAN 69	
1969-006A	OSO 5	3663	US	22 JAN	02 APR 84	
1969-006B		3664	US	22 JAN	08 DEC 79	
1969-007A		3665	US	22 JAN	03 FEB 69	
1969-007B		3666	US	22 JAN	26 JAN 69	

DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER-NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE						
1969-008A	COSMOS 264	3667	USSR	23 JAN	05 FEB 69				
1969-008B		3668	USSR	23 JAN	30 JAN 69				
1969-008C		3671	USSR	23 JAN	13 FEB 69				
1969-010A		3672	US	05 FEB	24 FEB 69				
1969-012A	COSMOS 265	3675	USSR	07 FEB	01 MAY 69				
1969-012B		3676	USSR	07 FEB	17 MAR 69				
1969-015A	COSMOS 266	3761	USSR	25 FEB	05 MAR 69				
1969-015B		3762	USSR	25 FEB	04 MAR 69				
1969-015C		3763	USSR	25 FEB	26 FEB 69				
1969-017A	COSMOS 267	3765	USSR	26 FEB	06 MAR 69				
1969-017B		3766	US	26 FEB	05 MAR 69				
1969-018A	APOLLO 9	3769	US	03 MAR	13 MAR 69				F*
1969-018C	LM/ASCENT	3771	US	03 MAR	23 OCT 81				
1969-018D	LM/DESCENT	3780	US	03 MAR	22 MAR 69				
1969-019A		3772	US	04 MAR	18 MAR 69				
1969-020A	COSMOS 268	3773	USSR	05 MAR	09 MAY 70				
1969-020B		3774	USSR	05 MAR	11 FEB 70				
1969-021A	COSMOS 269	3775	USSR	05 MAR	21 OCT 78				
1969-021B		3776	USSR	05 MAR	20 JUL 78				
1969-021C		3779	USSR	05 MAR	24 APR 69				
1969-021D		3781	USSR	05 MAR	07 MAY 69				
1969-021E		3782	USSR	05 MAR	02 APR 70				
1969-021F		3798	USSR	05 MAR	02 MAY 70				
1969-021G		3799	USSR	05 MAR	26 NOV 69				
1969-021H		3800	USSR	05 MAR	08 SEP 69				
1969-021J		3801	USSR	05 MAR	04 APR 70				
1969-021K		3802	USSR	05 MAR	02 MAY 70				
1969-021L		3803	USSR	05 MAR	11 JUN 69				
1969-021M		3804	USSR	05 MAR	19 MAR 69				
1969-021N		3805	USSR	05 MAR	04 SEP 69				
1969-021P		3806	USSR	05 MAR	29 JUN 69				
1969-021Q		3820	USSR	05 MAR	07 APR 69				
1969-021R		3821	USSR	05 MAR	17 MAY 69				
1969-021S		3822	USSR	05 MAR	09 APR 69				
1969-021T		3844	USSR	05 MAR	19 JUL 83				
1969-021U		3924	USSR	05 MAR	30 DEC 69				
1969-021V		3937	USSR	05 MAR	13 AUG 69				
1969-021W		3976	USSR	05 MAR	16 MAY 70				
1969-021X		3977	USSR	05 MAR	18 AUG 69				
1969-021Y		5425	USSR	05 MAR	20 DEC 72				
1969-022A	COSMOS 270	3777	USSR	06 MAR	14 MAR 69				
1969-022B		3778	USSR	06 MAR	23 MAR 69				
1969-023A	COSMOS 271	3807	USSR	15 MAR	22 MAR 69				
1969-023B		3808	USSR	15 MAR	22 MAR 69				
1969-025A	OVI-17	3823	US	18 MAR	05 MAR 70				
1969-025B	OVI-18	3824	US	18 MAR	27 AUG 72				
1969-025D	OVI-17A	3826	US	18 MAR	24 MAR 69				
1969-025F		3828	US	18 MAR	16 MAR 79				
1969-025G		4121	US	18 MAR	06 NOV 69				
1969-026A		3829	US	19 MAR	24 MAR 69				
1969-026B		3830	US	19 MAR	06 DEC 71				
1969-027A	COSMOS 273	3831	USSR	22 MAR	30 MAR 69				
1969-027B		3832	USSR	22 MAR	28 MAR 69				
1969-028A	COSMOS 274	3833	USSR	24 MAR	01 APR 69				
1969-028B		3834	USSR	24 MAR	29 MAR 69				
1969-029AA		3880	USSR	26 MAR	21 AUG 69				

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1969-029AB		3881	USSR	26 MAR	06 JAN 72	
1969-029AC		3882	USSR	26 MAR	19 NOV 77	
1969-029AD		3905	USSR	26 MAR	12 SEP 69	
1969-029AF		3917	USSR	26 MAR	01 JUL 69	
1969-029AG		3918	USSR	26 MAR	10 MAY 69	
1969-029AH		3921	USSR	26 MAR	19 JUL 71	
1969-029AJ		3933	USSR	26 MAR	06 AUG 70	
1969-029AK		3966	USSR	26 MAR	10 SEP 69	
1969-029AL		3967	USSR	26 MAR	26 JUN 69	
1969-029AM		4289	USSR	26 MAR	26 DEC 70	
1969-029AN		9279	USSR	26 MAR	16 JUN 79	
1969-029AP		9692	USSR	26 MAR	18 JUL 78	
1969-029B		3836	USSR	26 MAR	10 JUN 89	
1969-029C		3849	USSR	26 MAR	05 NOV 80	
1969-029D		3850	USSR	26 MAR	08 SEP 69	
1969-029E		3851	USSR	26 MAR	12 NOV 86	
1969-029F		3852	USSR	26 MAR	13 JUL 70	
1969-029G		3853	USSR	26 MAR	07 OCT 70	
1969-029H		3858	USSR	26 MAR	18 MAY 70	
1969-029J		3859	USSR	26 MAR	28 NOV 79	
1969-029K		3860	USSR	26 MAR	26 DEC 71	
1969-029L		3861	USSR	26 MAR	04 JUN 74	
1969-029M		3862	USSR	26 MAR	13 DEC 70	
1969-029N		3863	USSR	26 MAR	18 JUN 72	
1969-029P		3864	USSR	26 MAR	23 FEB 70	
1969-029Q		3865	USSR	26 MAR	25 APR 73	
1969-029R		3866	USSR	26 MAR	01 JUN 69	
1969-029S		3867	USSR	26 MAR	13 FEB 71	
1969-029T		3868	USSR	26 MAR	04 FEB 70	
1969-029U		3869	USSR	26 MAR	01 JUN 71	
1969-029V		3870	USSR	26 MAR	26 AUG 70	
1969-029W		3871	USSR	26 MAR	03 JUN 82	
1969-029X		3877	USSR	26 MAR	23 NOV 79	
1969-029Y		3878	USSR	26 MAR	23 JUN 69	
1969-029Z		3879	USSR	26 MAR	14 OCT 87	
1969-031A	COSMOS 275	3846	USSR	28 MAR	07 FEB 70	
1969-031B		3847	USSR	28 MAR	16 SEP 69	
1969-029AE		3913	USSR	29 MAR	07 MAR 70	
1969-032A	COSMOS 276	3854	USSR	04 APR	11 APR 69	
1969-032B		3856	USSR	04 APR	14 APR 69	
1969-033A	COSMOS 277	3855	USSR	04 APR	06 JUL 69	
1969-033B		3857	USSR	04 APR	18 MAY 69	
1969-034A	COSMOS 278	3883	USSR	09 APR	17 APR 69	
1969-034B		3884	USSR	09 APR	16 APR 69	
1969-035A	MOLNIYA 1-11	3885	USSR	11 APR	17 APR 74	
1969-035B		3887	USSR	11 APR	01 MAY 69	
1969-035C		3886	USSR	11 APR	01 JUL 74	
1969-035D		3888	USSR	11 APR	05 MAY 69	
1969-038A	COSMOS 279	3893	USSR	15 APR	23 APR 69	
1969-038B		3894	US	15 APR	18 APR 69	
1969-039A		3895	US	15 APR	30 APR 69	
1969-040A	COSMOS 280	3906	USSR	23 APR	06 MAY 69	
1969-040B		3907	USSR	23 APR	26 APR 69	
1969-040C		3919	USSR	23 APR	08 MAY 69	
1969-040D		3920	USSR	23 APR	08 MAY 69	
1969-041A		3914	US	02 MAY	23 MAY 69	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAY	NOTES
			SOURCE			
1969-041B		3915	US	02 MAY	16 FEB 70	
1969-041C		3942	US	02 MAY	19 MAY 69	
1969-042A	COSMOS 281	3939	USSR	13 MAY	21 MAY 69	
1969-042B		3940	USSR	13 MAY	17 MAY 69	AG*
1969-043A	APOLLO 10	3941	US	18 MAY	26 MAY 69	
1969-044A	COSMOS 282	3944	USSR	20 MAY	28 MAY 69	
1969-044B		3945	USSR	20 MAY	28 MAY 69	
1969-045B		5976	US	22 MAY	07 MAR 77	
1969-047A	COSMOS 283	3957	USSR	27 MAY	10 DEC 69	
1969-047B		3958	USSR	27 MAY	01 OCT 69	
1969-048A	COSMOS 284	3971	USSR	29 MAY	06 JUN 69	
1969-048B		3972	USSR	29 MAY	04 JUN 69	
1969-048C		3973	USSR	29 MAY	30 MAY 69	
1969-049A	COSMOS 285	3983	USSR	03 JUN	07 OCT 69	
1969-049B		3985	USSR	03 JUN	05 AUG 69	
1969-050A		3984	US	03 JUN	14 JUN 69	
1969-051A	OGO 6	3986	US	05 JUN	12 OCT 79	
1969-051B		3987	US	05 JUN	12 JUN 80	
1969-052A	COSMOS 286	3988	USSR	15 JUN	23 JUN 69	
1969-052B		3989	USSR	15 JUN	23 JUN 69	
1969-053A	EXPLORER 41	3990	US	21 JUN	23 DEC 72	
1969-054A	COSMOS 287	3991	USSR	24 JUN	02 JUL 69	
1969-054B		3992	USSR	24 JUN	27 JUN 69	
1969-055A	COSMOS 288	3994	USSR	27 JUN	05 JUL 69	
1969-055B		3995	USSR	27 JUN	02 JUL 69	
1969-056A	BIOSATELLITE 3	4000	US	29 JUN	20 JAN 70	B*
1969-056B		4001	US	29 JUN	01 DEC 69	
1969-056C		4022	US	29 JUN	13 JUL 69	
1969-056A		61016	US	29 JUN	07 JUL 69	
1969-057A	CAPSULE	4034	USSR	10 JUL	15 JUL 69	
1969-057B	COSMOS 289	4035	USSR	10 JUL	16 JUL 69	
1969-058A	LUNA 15	4036	USSR	13 JUL	21 JUL 69	A*
1969-058B		4037	USSR	13 JUL	16 JUL 69	
1969-058C		4038	USSR	13 JUL	16 JUL 69	
1969-059A	APOLLO 11	4039	US	16 JUL	24 JUL 69	AJ*
1969-060A	COSMOS 290	4042	USSR	22 JUL	30 JUL 69	
1969-060B		4044	USSR	22 JUL	29 JUL 69	
1969-061A	MOLNIYA 1-12	4045	USSR	22 JUL	18 JUN 71	
1969-061B		4046	USSR	22 JUL	23 AUG 69	
1969-061C		4047	USSR	22 JUL	23 AUG 69	
1969-061D		5134	USSR	22 JUL	10 JUN 71	
1969-061E		5288	USSR	22 JUL	04 MAY 71	
1969-061F		5302	USSR	22 JUL	15 JUN 71	
1969-061G		4050	USSR	22 JUL	18 JUN 71	
1969-063A		4051	US	24 JUL	23 AUG 69	
1969-064A	INTELSAT 3 F-5	4051	ITSO	26 JUL	14 OCT 88	
1969-064AA		13914	US	26 JUL	23 OCT 91	
1969-064AB		13915	US	26 JUL	23 OCT 91	
1969-064AC		14846	US	26 JUL	23 DEC 87	
1969-064B		4052	US	26 JUL	29 JAN 86	
1969-064C		4053	US	26 JUL	17 JUL 70	AL*
1969-064D		4055	US	26 JUL	16 FEB 70	
1969-064E		4056	US	26 JUL	04 JUL 70	
1969-064F		4057	US	26 JUL	22 OCT 69	
1969-064G		4059	US	26 JUL	30 DEC 69	
1969-064H		4060	US	26 JUL	19 DEC 69	
1969-064J		4085	US	26 JUL	18 SEP 69	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1969-064K		4086	US	26 JUL	18 FEB 70	
1969-064L		4087	US	26 JUL	09 JAN 70	
1969-064M		4088	US	26 JUL	21 NOV 69	
1969-064N		4089	US	26 JUL	27 NOV 69	
1969-064P		4090	US	26 JUL	09 OCT 69	
1969-064Q		4091	US	26 JUL	08 NOV 69	
1969-064R		4099	US	26 JUL	02 JAN 70	
1969-064S		4100	US	26 JUL	19 FEB 70	
1969-064T		4101	US	26 JUL	23 SEP 69	
1969-064U		4108	US	26 JUL	30 JAN 70	
1969-064V		4109	US	26 JUL	04 SEP 70	
1969-064W		4110	US	26 JUL	24 OCT 69	
1969-064X		5473	US	26 JUL	05 JAN 75	
1969-064Z		13913	US	26 JUL	06 MAR 88	
1971 LAUNCHES						
1971-000D		5309	US	26 JUL	26 JUN 73	AQ*
1969 LAUNCHES						
1969-065A	COSMOS 291	4054	US	31 JUL	04 JAN 73	
1969-066A		4058	USSR	06 AUG	08 SEP 69	
1969-066B		4061	USSR	06 AUG	11 AUG 69	
1969-067A	ZOND 7	4062	USSR	07 AUG	14 AUG 69	
1969-067B		4063	USSR	07 AUG	10 AUG 69	
1969-067C		4064	USSR	07 AUG	12 AUG 69	
1969-067D		4067	USSR	07 AUG	13 AUG 69	
1969-068A	OSO 6	4065	US	09 AUG	07 MAR 81	
1969-068B	PAC 1	4066	US	09 AUG	28 APR 77	
1969-071A	COSMOS 293	4072	USSR	16 AUG	28 AUG 69	
1969-071B		4073	USSR	16 AUG	20 AUG 69	
1969-072A	COSMOS 294	4074	USSR	19 AUG	27 AUG 69	
1969-072B		4075	USSR	19 AUG	27 AUG 69	
1969-073A	COSMOS 295	4076	USSR	22 AUG	01 DEC 69	
1969-073B		4077	USSR	22 AUG	11 OCT 69	
1969-074A		4078	US	23 AUG	07 SEP 69	
1969-075A	COSMOS 296	4080	USSR	29 AUG	06 SEP 69	
1969-075B		4081	USSR	29 AUG	05 SEP 69	
1969-076A	COSMOS 297	4082	USSR	02 SEP	10 SEP 69	
1969-076B		4083	USSR	02 SEP	11 SEP 69	
1969-077A	COSMOS 298	4092	USSR	15 SEP	15 SEP 69	
1969-077B		4093	USSR	15 SEP	16 SEP 69	
1969-077C		4094	USSR	15 SEP	16 SEP 69	
1969-077D		4095	USSR	15 SEP	16 SEP 69	
1969-077E		4096	USSR	15 SEP	16 SEP 69	
1969-078A	COSMOS 299	4097	USSR	18 SEP	22 SEP 69	
1969-078B		4098	USSR	18 SEP	24 SEP 69	
1969-079A		4102	US	22 SEP	12 OCT 69	
1969-079B		4103	US	22 SEP	16 MAY 71	
1969-080A	COSMOS 300	4104	USSR	23 SEP	27 SEP 69	
1969-080B		4105	USSR	23 SEP	27 SEP 69	
1969-081A	COSMOS 301	4106	USSR	24 SEP	02 OCT 69	
1969-081B		4107	USSR	24 SEP	29 SEP 69	
1969-082A		4111	US	30 SEP	30 OCT 70	
1969-082AE		4162	US	30 SEP	14 APR 79	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1969-082AF		4163	US	30 SEP	09 JAN 81	
1969-082AH		4165	US	30 SEP	02 DEC 89	
1969-082AK		4167	US	30 SEP	04 SEP 89	
1969-082AN		4170	US	30 SEP	23 JAN 90	
1969-082AQ		4172	US	30 SEP	24 OCT 91	
1969-082AT		4175	US	30 SEP	14 DEC 92	
1969-082AU		4176	US	30 SEP	11 MAY 80	
1969-082AX		4179	US	30 SEP	13 OCT 82	
1969-082AZ		4181	US	30 SEP	10 JAN 89	
1969-082BB		4188	US	30 SEP	24 DEC 80	
1969-082BC		4189	US	30 SEP	15 DEC 80	
1969-082BF		4192	US	30 SEP	15 OCT 81	
1969-082BH		4194	US	30 SEP	12 OCT 82	
1969-082BK		4196	US	30 SEP	07 MAY 73	
1969-082BL		4197	US	30 SEP	02 APR 80	
1969-082BM		4198	US	30 SEP	08 APR 81	
1969-082BN		4199	US	30 SEP	31 AUG 81	
1969-082BR		4202	US	30 SEP	08 JUN 80	
1969-082BS		4203	US	30 SEP	08 JAN 82	
1969-082BT		4204	US	30 SEP	08 SEP 79	
1969-082CB		4212	US	30 SEP	06 JUL 91	
1969-082CC		4213	US	30 SEP	13 APR 81	
1969-082CK		4228	US	30 SEP	25 MAR 81	
1969-082CL		4229	US	30 SEP	10 DEC 79	
1969-082CM		4230	US	30 SEP	07 OCT 81	
1969-082CQ		4238	US	30 SEP	30 DEC 78	
1969-082CR		4239	US	30 SEP	19 NOV 79	
1969-082CS		4240	US	30 SEP	24 MAY 80	
1969-082CT		4241	US	30 SEP	09 OCT 80	
1969-082CU		4244	US	30 SEP	11 JUN 79	
1969-082CV		4245	US	30 SEP	25 JUL 86	
1969-082CX		4248	US	30 SEP	21 NOV 78	
1969-082DA		4113	US	30 SEP	21 OCT 69	
1969-082DB		4258	US	30 SEP	16 SEP 89	
1969-082DC		4115	US	30 SEP	21 OCT 69	
1969-082DD		4260	US	30 SEP	29 SEP 90	
1969-082DE		4268	US	30 SEP	19 JAN 90	
1969-082DF		4269	US	30 SEP	29 MAR 79	
1969-082DG		4270	US	30 SEP	16 JUN 80	
1969-082DH		4271	US	30 SEP	23 FEB 80	
1969-082DJ		4272	US	30 SEP	09 SEP 70	
1969-082DM		4278	US	30 SEP	13 AUG 88	
1969-082DN		4288	US	30 SEP	12 SEP 70	
1969-082DQ		4310	US	30 SEP	07 APR 82	
1969-082DS		4312	US	30 SEP	26 MAY 83	
1969-082DT		4317	US	30 SEP	12 NOV 82	
1969-082DV		4319	US	30 SEP	06 NOV 81	
1969-082DW		4323	US	30 SEP	03 FEB 71	
1969-082DX		4324	US	30 SEP	10 MAY 70	
1969-082EA		4335	US	30 SEP	07 MAY 73	
1969-082EB		4348	US	30 SEP	28 NOV 90	
1969-082EC		4359	US	30 SEP	01 OCT 80	
1969-082EE		4433	US	30 SEP	19 APR 79	
1969-082EF		4434	US	30 SEP	05 JAN 80	
1969-082EH		4436	US	30 SEP	20 NOV 90	
1969-082EJ		4437	US	30 SEP	22 JUN 81	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1969-082EL		4439	US	30 SEP	09 MAY 72	
1969-082EM		4440	US	30 SEP	13 OCT 88	
1969-082EN		4441	US	30 SEP	02 FEB 92	
1969-082EQ		4443	US	30 SEP	28 JUL 70	
1969-082ET		4448	US	30 SEP	16 SEP 80	
1969-082EV		4450	US	30 SEP	18 DEC 81	
1969-082EX		4452	US	30 SEP	25 APR 85	
1969-082EZ		4454	US	30 SEP	25 OCT 81	
1969-082FA		4457	US	30 SEP	19 OCT 70	
1969-082FC		4459	US	30 SEP	19 FEB 80	
1969-082FD		4460	US	30 SEP	08 MAR 84	
1969-082FE		4461	US	30 SEP	13 JUN 74	
1969-082FF		4462	US	30 SEP	25 MAR 82	
1969-082FG		4463	US	30 SEP	08 JUL 78	
1969-082FH		4464	US	30 SEP	02 APR 81	
1969-082FJ		4465	US	30 SEP	18 SEP 89	
1969-082FK		4466	US	30 SEP	13 JUL 90	
1969-082FL		4467	US	30 SEP	10 MAR 90	
1969-082FN		4469	US	30 SEP	30 NOV 80	
1969-082FP		4470	US	30 SEP	15 SEP 81	
1969-082FQ		4471	US	30 SEP	17 OCT 83	
1969-082FR		4472	US	30 SEP	21 JUL 80	
1969-082FS		4473	US	30 SEP	18 FEB 81	
1969-082FT		4474	US	30 SEP	14 NOV 79	
1969-082FX		4520	US	30 SEP	20 DEC 77	
1969-082FY		4521	US	30 SEP	18 OCT 80	
1969-082FZ		4522	US	30 SEP	08 MAY 78	
1969-082GC		4531	US	30 SEP	31 JUL 90	
1969-082GD		4532	US	30 SEP	04 MAR 79	
1969-082GE		4533	US	30 SEP	01 MAY 81	
1969-082GF		4534	US	30 SEP	10 APR 83	
1969-082GG		4535	US	30 SEP	13 JUN 78	
1969-082GH		4540	US	30 SEP	03 FEB 72	
1969-082GJ		4541	US	30 SEP	20 DEC 79	
1969-082GK		4542	US	30 SEP	28 DEC 70	
1969-082GL		4543	US	30 SEP	03 AUG 90	
1969-082GM		4544	US	30 SEP	22 JUL 80	
1969-082GP		4548	US	30 SEP	14 FEB 82	
1969-082GQ		4549	US	30 SEP	12 DEC 79	
1969-082GR		4550	US	30 SEP	05 JAN 78	
1969-082GS		4551	US	30 SEP	26 OCT 81	
1969-082GU		4876	US	30 SEP	13 APR 81	
1969-082GW		4887	US	30 SEP	16 JUL 78	
1969-082GX		4888	US	30 SEP	21 JUN 83	
1969-082GY		4889	US	30 SEP	01 AUG 78	
1969-082HA		4891	US	30 SEP	01 JAN 72	
1969-082HB		4892	US	30 SEP	24 AUG 72	
1969-082HC		4893	US	30 SEP	07 MAY 73	
1969-082HF		4897	US	30 SEP	11 MAR 81	
1969-082HG		4906	US	30 SEP	17 SEP 81	
1969-082HH		4937	US	30 SEP	12 MAY 91	
1969-082HK		4939	US	30 SEP	27 OCT 80	
1969-082HM		5158	US	30 SEP	07 AUG 79	
1969-082HN		5159	US	30 SEP	30 DEC 72	
1969-082HP		5195	US	30 SEP	15 JUN 81	
1969-082HQ		5270	US	30 SEP	20 JAN 74	

DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES			
1969-082HR		5271	US	30 SEP	07 APR 73				
1969-082HT		5339	US	30 SEP	10 JUN 82				
1969-082HU		5362	US	30 SEP	30 SEP 80				
1969-082HV		5429	US	30 SEP	16 JUN 79				
1969-082HX		5459	US	30 SEP	24 SEP 80				
1969-082JA		5521	US	30 SEP	27 JUL 79				
1969-082JB		5522	US	30 SEP	06 DEC 71				
1969-082JC		5593	US	30 SEP	02 MAY 73				
1969-082JD		5633	US	30 SEP	09 DEC 89				
1969-082JE		5634	US	30 SEP	13 APR 81				
1969-082JG		5636	US	30 SEP	13 MAY 78				
1969-082JJ		5750	US	30 SEP	23 JAN 77				
1969-082JK		5751	US	30 SEP	02 JAN 80				
1969-082JL		5752	US	30 SEP	12 OCT 76				
1969-082JM		5753	US	30 SEP	06 OCT 79				
1969-082JN		5754	US	30 SEP	19 JUL 83				
1969-082JQ		5756	US	30 SEP	26 OCT 74				
1969-082JR		5757	US	30 SEP	20 DEC 91				
1969-082JT		5791	US	30 SEP	03 JAN 77				
1969-082JU		5792	US	30 SEP	05 APR 72				
1969-082JV		5793	US	30 SEP	08 APR 72				
1969-082JX		5823	US	30 SEP	09 APR 72				
1969-082JY		5859	US	30 SEP	10 MAY 82				
1969-082JZ		5868	US	30 SEP	23 OCT 79				
1969-082KA		5869	US	30 SEP	22 FEB 82				
1969-082KB		5899	US	30 SEP	02 DEC 84				
1969-082KC		5900	US	30 SEP	19 MAR 73				
1969-082KD		5964	US	30 SEP	13 AUG 81				
1969-082KE		5965	US	30 SEP	12 JUL 89				
1969-082KF		6044	US	30 SEP	03 DEC 81				
1969-082KG		6178	US	30 SEP	16 DEC 79				
1969-082KJ		7285	US	30 SEP	19 JUL 74				
1969-082KK		8606	US	30 SEP	28 JUN 78				
1969-082KL		9980	US	30 SEP	13 APR 81				
1969-082KM		15548	US	30 SEP	19 MAR 89				
1969-082KN		15549	US	30 SEP	31 AUG 89				
1969-082KP		15550	US	30 SEP	20 APR 89				
1969-082KT		15554	US	30 SEP	20 JAN 90				
1969-082KV		17659	US	30 SEP	26 OCT 91				
1969-082KX		17661	US	30 SEP	20 DEC 91				
1969-082KY		17724	US	30 SEP	03 JUL 89				
1969-082KZ		18256	US	30 SEP	07 SEP 89				
1969-082L		4142	US	30 SEP	03 NOV 80				
1969-082LF		19581	US	30 SEP	07 APR 91				
1969-082Q		4146	US	30 SEP	27 APR 91				
1969-082R		4147	US	30 SEP	18 DEC 88				
1969-082S		4148	US	30 SEP	16 OCT 81				
1969-082U		4152	US	30 SEP	25 JAN 82				
1969-082V		4153	US	30 SEP	03 FEB 84				
1969-083A	ESRO-1B	4114	ESRO	01 OCT	14 APR 71				
1969-083B		4117	US	01 OCT	23 NOV 69				
1969-083C		4116	US	01 OCT	03 NOV 69				
1969-083D		4118	US	01 OCT	21 OCT 69				
1969-085A	SOYUZ 6	4122	USSR	11 OCT	25 OCT 69				
1969-085B		4123	USSR	11 OCT	16 OCT 69				
1969-086A	SOYUZ 7	4124	USSR	12 OCT	12 OCT 69				

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1969-086B		4125	USSR	12 OCT	14 OCT 69	
1969-087A	SOYUZ 8	4126	USSR	13 OCT	18 OCT 69	
1969-087B		4127	USSR	13 OCT	15 OCT 69	
1969-088A	INTERCOSMOS 1	4128	USSR	14 OCT	02 JAN 70	
1969-088B		4129	USSR	14 OCT	16 DEC 69	
1969-089A	COSMOS 302	4130	USSR	17 OCT	25 OCT 69	
1969-089B		4131	USSR	17 OCT	24 OCT 69	
1969-090A	COSMOS 303	4136	USSR	18 OCT	23 JAN 70	
1969-090B		4137	USSR	18 OCT	07 DEC 69	
1969-092A	COSMOS 305	4150	USSR	22 OCT	24 OCT 69	
1969-092B		4151	USSR	22 OCT	24 OCT 69	
1969-093A	COSMOS 306	4182	USSR	24 OCT	05 NOV 69	
1969-093B		4183	USSR	24 OCT	29 OCT 69	
1969-094A	COSMOS 307	4184	USSR	24 OCT	30 DEC 70	
1969-094B		4185	USSR	24 OCT	20 JUL 70	
1969-095A		4186	US	24 OCT	08 NOV 69	
1969-096A	COSMOS 308	4219	USSR	04 NOV	04 JAN 70	
1969-096B		4220	USSR	04 NOV	06 DEC 69	
1969-097C		4242	FRG	08 NOV	07 OCT 81	
1969-097D		4243	FRG	08 NOV	24 AUG 81	
1969-097E		4261	FRG	08 NOV	11 JUL 80	
1969-097F		4265	FRG	08 NOV	13 APR 81	
1969-098A	COSMOS 309	4223	USSR	12 NOV	20 NOV 69	
1969-098B		4224	USSR	12 NOV	22 NOV 69	
1969-098C		4234	USSR	12 NOV	26 NOV 69	
1969-098D		4235	USSR	12 NOV	25 NOV 69	
1969-098E		4236	USSR	12 NOV	30 NOV 69	
1969-099A	APOLLO 12	4225	US	14 NOV	24 NOV 69	
1969-099C	LUNAR MODULE	4246	US	14 NOV	20 NOV 69	
1969-100A	COSMOS 310	4232	USSR	15 NOV	23 NOV 69	
1969-100B		4233	USSR	15 NOV	23 NOV 69	
1969-102A	COSMOS 311	4252	USSR	24 NOV	10 MAR 70	
1969-102B		4253	USSR	24 NOV	19 JAN 70	
1969-104A	COSMOS 313	4262	USSR	03 DEC	15 DEC 69	
1969-104B		4263	USSR	03 DEC	06 DEC 69	
1969-105A		4264	US	04 DEC	10 JAN 70	
1969-106A	COSMOS 314	4266	USSR	11 DEC	22 MAR 70	
1969-106B		4267	USSR	11 DEC	27 JAN 70	
1969-107A	COSMOS 315	4273	USSR	20 DEC	25 MAR 79	
1969-107B		4274	USSR	20 DEC	02 APR 79	
1969-107C		4275	USSR	20 DEC	29 APR 70	
1969-107D		4279	USSR	20 DEC	10 OCT 71	
1969-107E		4287	USSR	20 DEC	13 JUN 70	
1969-107F		4294	USSR	20 DEC	14 MAY 70	
1969-108A	COSMOS 316	4282	USSR	23 DEC	28 AUG 70	
1969-108B		4283	USSR	23 DEC	01 JAN 70	
1969-108C		4284	USSR	23 DEC	28 JAN 70	
1969-109A	COSMOS 317	4280	USSR	23 DEC	05 JAN 70	
1969-109B		4281	USSR	23 DEC	28 DEC 69	
1969-109C		4290	USSR	23 DEC	08 JAN 70	
1969-109D		4291	USSR	23 DEC	09 JAN 70	
1969-110A	INTERCOSMOS 2	4285	USSR	25 DEC	07 JUN 70	
1969-110B		4286	USSR	25 DEC	21 MAR 70	

1970 LAUNCHES

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAT	NOTES
			SOURCE			
1970-001A	COSMOS 318	4292	USSR	09 JAN	21 JAN 70	
1970-001B		4293	USSR	09 JAN	15 JAN 70	
1970-002A		4296	US	14 JAN	01 FEB 70	
1970-004A	COSMOS 319	4299	USSR	15 JAN	01 JUL 70	
1970-004B		4300	USSR	15 JAN	01 MAY 70	
1970-005A	COSMOS 320	4301	USSR	16 JAN	10 FEB 70	
1970-005B		4302	USSR	16 JAN	28 JAN 70	
1970-005C		4303	USSR	16 JAN	24 JAN 70	
1970-005D		4304	USSR	16 JAN	11 FEB 70	
1970-005E		4305	USSR	16 JAN	03 MAR 70	
1970-005F		4306	USSR	16 JAN	24 JAN 70	
1970-006A	COSMOS 321	4307	USSR	16 JAN	29 JAN 70	
1970-006B		4308	USSR	20 JAN	23 MAR 70	
1970-006C		4309	USSR	20 JAN	07 MAR 70	
1970-006D		4313	USSR	20 JAN	25 JAN 70	
1970-007A		4314	USSR	20 JAN	29 JAN 70	
1970-007B	COSMOS 322	4315	USSR	21 JAN	25 JAN 70	
1970-010A		4316	USSR	21 JAN	18 FEB 70	
1970-010B	COSMOS 323	4328	USSR	10 FEB	15 FEB 70	
1970-013A		4329	USSR	10 FEB	29 SEP 75	
1970-013B	MOLNIYA 1-13	4336	USSR	19 FEB	09 MAR 70	
1970-013C		4333	USSR	19 FEB	11 MAR 70	
1970-013D		4334	USSR	19 FEB	09 JAN 76	
1970-014A	COSMOS 324	4337	USSR	19 FEB	23 MAY 70	
1970-014B		4338	USSR	27 FEB	11 APR 70	
1970-015A	COSMOS 325	4339	USSR	27 FEB	12 MAR 70	
1970-015B		4340	USSR	04 MAR	10 MAR 70	
1970-016A		4341	USSR	04 MAR	26 MAR 70	
1970-016B		4342	US	04 MAR	10 NOV 71	
1970-017A	DIAL-WIKA	4343	US	04 MAR	05 OCT 78	
1970-017B		4344	FRG	10 MAR	09 SEP 74	
1970-018A	COSMOS 326	4345	FRANCE	10 MAR	21 MAR 70	
1970-018B		4346	USSR	13 MAR	23 MAR 70	
1970-019A	METEOR	4347	USSR	13 MAR	18 NOV 83	
1970-019B		4349	USSR	17 MAR	26 NOV 82	
1970-019C		4350	USSR	17 MAR	03 NOV 74	
1970-020A	COSMOS 327	5573	USSR	17 MAR	19 JAN 71	
1970-020B		4351	USSR	18 MAR	27 SEP 70	
1970-022A	COSMOS 328	4352	USSR	18 MAR	09 APR 70	
1970-022B		4355	USSR	27 MAR	01 APR 70	
1970-023A	COSMOS 329	4356	USSR	27 MAR	15 APR 70	
1970-023B		4357	USSR	03 APR	05 APR 70	
1970-024A	COSMOS 330	4358	USSR	03 APR	12 JUN 79	
1970-024B		4360	USSR	07 APR	10 NOV 79	
1970-025AE		4361	USSR	07 APR	25 OCT 91	
1970-025AX		4646	US	08 APR	13 AUG 82	
1970-025BB		4674	US	08 APR	20 FEB 80	
1970-025BD		4678	US	08 APR	16 DEC 88	
1970-025BH		4680	US	08 APR	08 AUG 90	
1970-025BP		4684	US	08 APR	22 JUL 72	
1970-025BQ		4701	US	08 APR	07 JUL 72	
1970-025BR		4702	US	08 APR	01 DEC 78	
1970-025BS		4703	US	08 APR	27 JAN 92	
1970-025BV		4704	US	08 APR	14 OCT 83	
1970-025CF		4707	US	08 APR	06 FEB 72	
1970-025CF		4732	US	08 APR		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1970-025CP		4740	US	08 APR	10 AUG 72	
1970-025CY		4750	US	08 APR	23 AUG 90	
1970-025DG		4758	US	08 APR	18 MAR 82	
1970-025DQ		4770	US	08 APR	16 MAY 89	
1970-025DR		4771	US	08 APR	22 FEB 83	
1970-025DV		4775	US	08 APR	31 JUL 81	
1970-025E		4602	US	08 APR	14 OCT 82	
1970-025EN		4858	US	08 APR	23 MAY 79	
1970-025EQ		4860	US	08 APR	06 MAY 90	
1970-025EV		4865	US	08 APR	26 OCT 81	
1970-025FA		4870	US	08 APR	09 NOV 79	
1970-025FD		4898	US	08 APR	10 JUN 82	
1970-025FF		4908	US	08 APR	27 OCT 91	
1970-025FM		4915	US	08 APR	08 AUG 71	
1970-025FX		4931	US	08 APR	04 AUG 78	
1970-025FZ		4933	US	08 APR	08 JUN 79	
1970-025GC		4936	US	08 APR	22 JUL 80	
1970-025GH		4947	US	08 APR	18 JUL 81	
1970-025GK		4949	US	08 APR	05 MAR 72	
1970-025GS		4972	US	08 APR	29 MAY 71	
1970-025GU		4974	US	08 APR	02 JUL 71	
1970-025GV		4975	US	08 APR	02 JUN 78	
1970-025GY		4978	US	08 APR	13 APR 81	
1970-025H		4605	US	08 APR	11 AUG 86	
1970-025HE		4984	US	08 APR	11 APR 72	
1970-025HR		4995	US	08 APR	02 OCT 89	
1970-025HV		4999	US	08 APR	28 OCT 79	
1970-025HX		5023	US	08 APR	29 SEP 79	
1970-025J		4606	US	08 APR	14 AUG 79	
1970-025JB		5027	US	08 APR	17 JAN 91	
1970-025JC		5037	US	08 APR	18 JUL 80	
1970-025JD		5038	US	08 APR	18 JUL 71	
1970-025JK		5065	US	08 APR	30 JAN 84	
1970-025JV		5152	US	08 APR	13 MAR 91	
1970-025KD		5190	US	08 APR	10 NOV 79	
1970-025KF		5219	US	08 APR	28 OCT 88	
1970-025KK		5346	US	08 APR	14 OCT 71	
1970-025KM		5348	US	08 APR	04 MAR 92	
1970-025KW		5391	US	08 APR	16 FEB 82	
1970-025KZ		5421	US	08 APR	29 AUG 79	
1970-025L		4608	US	08 APR	26 JAN 92	
1970-025LB		5423	US	08 APR	05 DEC 71	
1970-025LC		5424	US	08 APR	19 MAR 82	
1970-025LD		5445	US	08 APR	28 OCT 88	
1970-025LF		5501	US	08 APR	26 DEC 78	
1970-025LH		5504	US	08 APR	23 JUN 91	
1970-025LJ		5505	US	08 APR	20 MAR 91	
1970-025LK		5506	US	08 APR	28 MAR 91	
1970-025LM		5508	US	08 APR	23 NOV 91	
1970-025LN		5509	US	08 APR	11 APR 72	
1970-025LP		5510	US	08 APR	18 MAR 91	
1970-025LQ		5535	US	08 APR	24 MAR 72	
1970-025LR		5600	US	08 APR	16 APR 90	
1970-025LS		5601	US	08 APR	12 NOV 88	
1970-025LT		5621	US	08 APR	21 MAR 72	
1970-025LU		5622	US	08 APR	06 AUG 91	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1970-025LY		5693	US	08 APR	29 MAR 91	
1970-025M		4609	US	08 APR	15 MAY 91	
1970-025MA		5695	US	08 APR	13 DEC 84	
1970-025MC		5697	US	08 APR	01 APR 91	
1970-025ME		5699	US	08 APR	15 DEC 89	
1970-025MF		5700	US	08 APR	16 JUN 79	
1970-025MG		5701	US	08 APR	27 JAN 90	
1970-025MK		5825	US	08 APR	03 DEC 72	
1970-025MM		5843	US	08 APR	23 FEB 89	
1970-025MS		6015	US	08 APR	19 FEB 73	
1970-025MT		6051	US	08 APR	17 MAR 76	
1970-025MU		6084	US	08 APR	12 MAY 74	
1970-025MW		6140	US	08 APR	20 MAR 79	
1970-025NA		6161	US	08 APR	30 OCT 88	
1970-025NC		6184	US	08 APR	06 NOV 90	
1970-025ND		6185	US	08 APR	08 JUN 81	
1970-025NN		9784	US	08 APR	24 NOV 89	
1970-025NP		9997	US	08 APR	04 JAN 78	
1970-025NU		14468	US	08 APR	31 JAN 92	
1970-025NX		14479	US	08 APR	04 JAN 90	
1970-025NY		15520	US	08 APR	06 JUN 89	
1970-025NZ		15537	US	08 APR	20 DEC 88	
1970-025PB		17169	US	08 APR	28 FEB 92	
1970-025PG		17718	US	08 APR	22 DEC 89	
1970-025PK		17721	US	08 APR	17 AUG 89	
1970-025PM		18419	US	08 APR	20 JAN 92	
1970-025PR		18811	US	08 APR	14 AUG 89	
1970-026A	COSMOS 331	4364	USSR	08 APR	16 APR 70	AN*
1970-026B		4365	USSR	08 APR	16 APR 70	G*
1970-029A	APOLLO 13	4371	US	11 APR	17 APR 70	
1970-029B		4372	US	11 APR	15 APR 70	
1970-030A	COSMOS 333	4373	USSR	15 APR	28 APR 70	
1970-030B		4374	USSR	15 APR	18 APR 70	
1970-030C		4395	USSR	15 APR	02 MAY 70	
1970-030D		4396	USSR	15 APR	09 MAY 70	
1970-031A		4375	US	15 APR	06 MAY 70	
1970-033A	COSMOS 334	4378	USSR	23 APR	09 AUG 70	
1970-033B		4379	USSR	23 APR	16 MAY 70	
1970-033C		4397	USSR	23 APR	08 JUL 70	
1970-033D		4398	USSR	23 APR	25 MAY 70	
1970-033E		4399	USSR	23 APR	16 MAY 70	
1970-034C		4400	PRC	24 APR	23 MAR 83	
1970-035A	COSMOS 335	4380	USSR	24 APR	22 JUN 70	
1970-035B		4381	USSR	24 APR	22 JUN 70	
1970-037C		5055	USSR	28 APR	17 MAY 70	
1970-038A	COSMOS 344	4401	USSR	12 MAY	26 FEB 79	
1970-038B		4402	USSR	12 MAY	20 MAY 70	
1970-039A	COSMOS 345	4403	USSR	20 MAY	28 MAY 70	
1970-039B		4404	USSR	20 MAY	23 MAY 70	
1970-040A		4405	US	20 MAY	17 JUN 70	
1970-040B	SOYUZ 9	4406	US	20 MAY	08 MAR 74	
1970-041A		4407	USSR	01 JUN	19 JUN 70	
1970-041B		4408	USSR	01 JUN	03 JUN 70	
1970-042A	COSMOS 346	4409	USSR	10 JUN	17 JUN 70	
1970-042B		4410	USSR	10 JUN	13 JUN 70	
1970-043A	COSMOS 347	4411	USSR	12 JUN	07 NOV 71	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1970-043B		4412	USSR	12 JUN	14 FEB 71	
1970-044A	COSMOS 348	4413	USSR	13 JUN	25 JUL 70	
1970-044B		4414	USSR	13 JUN	09 JUL 70	
1970-044C		4415	USSR	13 JUN	17 JUN 70	
1970-045A	COSMOS 349	4416	USSR	17 JUN	25 JUN 70	
1970-045B		4417	USSR	17 JUN	22 JUN 70	
1970-048A		4422	US	25 JUN	06 JUL 70	
1970-049A	MOLNIYA 1-14	4430	USSR	26 JUN	16 FEB 76	
1970-049B		4424	USSR	26 JUN	25 JUL 70	
1970-049C		4423	USSR	26 JUN	17 JUL 70	
1970-049D		4431	USSR	26 JUN	02 MAR 76	
1970-050A	COSMOS 350	4425	USSR	26 JUN	08 JUL 70	
1970-050B		4426	USSR	29 JUN 70	13 OCT 70	
1970-051A	COSMOS 351	4427	USSR	27 JUN	18 AUG 70	
1970-051B	COSMOS 352	4428	USSR	27 JUN	15 JUL 70	
1970-052A		4446	USSR	07 JUL	12 JUL 70	
1970-052B		4447	USSR	07 JUL	21 JUL 70	
1970-053A	COSMOS 353	4455	USSR	09 JUL	16 JUL 70	
1970-053B		4456	USSR	09 JUL	19 AUG 70	
1970-054A		4477	US	23 JUL	28 JUL 70	
1970-056A	COSMOS 354	4481	USSR	28 JUL	29 JUL 70	
1970-056B		4480	USSR	28 JUL	29 JUL 70	
1970-056C		4479	USSR	28 JUL	06 DEC 70	
1970-057A	INTERCOSMOS 3	4482	USSR	07 AUG	17 NOV 70	
1970-057B		4483	USSR	07 AUG	15 AUG 70	
1970-058A	COSMOS 355	4484	USSR	07 AUG	14 AUG 70	
1970-058B		4485	USSR	07 AUG	02 OCT 70	
1970-059A	COSMOS 356	4487	USSR	10 AUG	01 OCT 70	
1970-059B		4488	USSR	10 AUG	15 DEC 70	
1970-060A	VENERA 7	4489	USSR	17 AUG	18 AUG 70	
1970-060B		4490	USSR	17 AUG	03 SEP 70	
1970-060C		4491	USSR	18 AUG	24 NOV 70	
1970-061A		4492	US	19 AUG	15 OCT 70	
1970-063A	COSMOS 357	4495	USSR	20 AUG	26 JUN 90	
1970-063B		4496	USSR	20 AUG	07 JUL 79	
1970-064A	COSMOS 358	4497	USSR	20 AUG	29 OCT 70	
1970-064B		4498	USSR	20 AUG	06 NOV 70	
1970-064C		4514	USSR	22 AUG	29 AUG 70	
1970-065A	COSMOS 359	4501	USSR	22 AUG	11 SEP 70	
1970-065B		4502	USSR	22 AUG	06 OCT 71	
1970-065C		4504	USSR	22 AUG	09 SEP 70	
1970-065D		4505	USSR	22 AUG	26 MAR 75	
1970-065E		4506	USSR	26 AUG	13 APR 81	
1970-066A	NNSS 30190	4503	US	27 AUG	08 SEP 70	
1970-067E		6372	US	29 AUG	02 SEP 70	
1970-068A	COSMOS 360	4508	USSR	29 AUG	09 SEP 70	
1970-068B		4509	USSR	29 AUG	11 SEP 70	
1970-068C		4516	USSR	29 AUG	21 SEP 70	
1970-068D		4517	USSR	08 SEP	14 SEP 70	
1970-068E		4526	USSR	08 SEP	05 OCT 70	
1970-071A	COSMOS 361	4524	USSR	08 SEP	26 SEP 70	
1970-071B		4525	USSR	08 SEP	15 SEP 70	
1970-071C		4545	USSR	08 SEP		
1970-071D		4546	USSR	08 SEP		
1970-072A	LUNA 16	4527	USSR	12 SEP		AP*
1970-072B		4528	USSR	12 SEP		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1970-072C		4529	USSR	12 SEP	15 SEP 70	
1970-073A	COSMOS 362	4536	USSR	16 SEP	13 OCT 71	
1970-073B		4537	USSR	16 SEP	28 MAR 71	
1970-074A	COSMOS 363	4538	USSR	17 SEP	29 SEP 70	
1970-074B		4539	USSR	22 SEP	22 SEP 70	
1970-075A	COSMOS 364	4553	USSR	22 SEP	02 OCT 70	
1970-075B		4554	USSR	22 SEP	28 SEP 70	
1970-075C		4563	USSR	22 SEP	09 OCT 70	
1970-076A	COSMOS 365	4556	USSR	25 SEP	25 SEP 70	
1970-076B		4557	USSR	25 SEP	26 SEP 70	
1970-076C		4558	USSR	25 SEP	25 SEP 70	
1970-077A		4569	USSR	29 SEP	20 MAR 76	
1970-077B	MOLNIYA 1-15	4559	USSR	29 SEP	23 OCT 70	
1970-077C		4560	USSR	29 SEP	16 OCT 70	
1970-077D		4570	USSR	29 SEP	31 MAY 72	
1970-077E		5950	USSR	29 SEP	30 APR 72	
1970-078A		4561	USSR	01 OCT	13 OCT 70	
1970-078B		4562	USSR	01 OCT	06 OCT 70	
1970-078B		4565	USSR	03 OCT	31 OCT 70	
1970-079B		4566	USSR	03 OCT	08 OCT 70	
1970-079C		4567	USSR	03 OCT	12 OCT 70	
1970-079D		4568	USSR	03 OCT	14 OCT 70	
1970-079E		4571	USSR	08 OCT	20 OCT 70	
1970-080A	COSMOS 368	4572	USSR	08 OCT	07 JAN 71	
1970-080B		4575	USSR	08 OCT	19 OCT 70	
1970-080C		4582	USSR	08 OCT	04 NOV 70	
1970-080E		4585	USSR	08 OCT	22 JAN 71	
1970-081A	COSMOS 369	4573	USSR	08 OCT	30 NOV 70	
1970-081B		4574	USSR	08 OCT	22 OCT 70	
1970-082A	COSMOS 370	4576	USSR	09 OCT	13 OCT 70	
1970-082B		4577	USSR	09 OCT	27 OCT 70	
1970-082C		4593	USSR	09 OCT	17 JAN 71	
1970-084A	INTERCOSMOS 4	4580	USSR	14 OCT	17 DEC 70	
1970-084B		4581	USSR	14 OCT	10 MAR 80	
1970-085C		6330	USSR	15 OCT	08 MAR 80	
1970-087A	COSMOS 373	4590	USSR	20 OCT	18 JAN 71	
1970-087B		4595	USSR	20 OCT	27 OCT 70	
1970-088A	ZOND 8	4591	USSR	20 OCT	26 OCT 70	
1970-088B		4592	USSR	20 OCT	03 JUN 81	
1970-089AA		5029	USSR	23 OCT	30 MAR 90	
1970-089AB		5031	USSR	23 OCT	14 AUG 83	
1970-089AC		5032	USSR	23 OCT	01 MAR 90	
1970-089AD		5033	USSR	23 OCT	05 DEC 76	
1970-089AF		5068	USSR	23 OCT	22 FEB 72	
1970-089AG		5069	USSR	23 OCT	02 OCT 78	
1970-089AJ		5071	USSR	23 OCT	13 APR 81	
1970-089AK		5072	USSR	23 OCT	26 JUL 71	
1970-089AL		5073	USSR	23 OCT	13 APR 81	
1970-089AM		5074	USSR	23 OCT	22 APR 72	
1970-089AR		5078	USSR	23 OCT	26 MAR 79	
1970-089AS		5079	USSR	23 OCT	29 JUN 81	
1970-089AT		5080	USSR	23 OCT	29 OCT 81	
1970-089AU		5081	USSR	23 OCT	01 MAY 79	
1970-089AV		5096	USSR	23 OCT	10 NOV 82	
1970-089AW		5132	USSR	23 OCT	09 NOV 81	
1970-089AX		5136	USSR	23 OCT		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1970-089AY		5138	USSR	23 OCT	24 MAR 72	
1970-089BA		5189	USSR	23 OCT	10 NOV 82	
1970-089BC		5199	USSR	23 OCT	05 DEC 76	
1970-089BD		5202	USSR	23 OCT	23 AUG 77	
1970-089BE		5224	USSR	23 OCT	22 DEC 78	
1970-089BG		5242	USSR	23 OCT	17 NOV 92	
1970-089BH		5276	USSR	23 OCT	16 JUN 79	
1970-089BJ		5278	USSR	23 OCT	06 MAR 83	
1970-089BK		5279	USSR	23 OCT	22 NOV 82	
1970-089BL		5293	USSR	23 OCT	05 DEC 76	
1970-089BM		5294	USSR	23 OCT	16 FEB 72	
1970-089BN		5295	USSR	23 OCT	16 DEC 91	
1970-089BP		5296	USSR	23 OCT	20 MAY 91	
1970-089BQ		5321	USSR	23 OCT	05 DEC 76	
1970-089BR		5335	USSR	23 OCT	20 NOV 76	
1970-089BT		5338	USSR	23 OCT	16 JUN 92	
1970-089BU		5411	USSR	23 OCT	02 JUN 82	
1970-089BV		5412	USSR	23 OCT	30 APR 80	
1970-089BW		5413	USSR	23 OCT	24 JUL 80	
1970-089BX		5431	USSR	23 OCT	26 JAN 72	
1970-089BZ		5433	USSR	23 OCT	01 JAN 82	
1970-089CA		5454	USSR	23 OCT	21 APR 80	
1970-089CB		5455	USSR	23 OCT	03 SEP 75	
1970-089CC		5456	USSR	23 OCT	12 SEP 77	
1970-089CE		5458	USSR	23 OCT	12 SEP 76	
1970-089CF		5523	USSR	23 OCT	24 FEB 81	
1970-089CG		5524	USSR	23 OCT	07 APR 79	
1970-089CM		5796	USSR	23 OCT	06 AUG 72	
1970-089CN		5797	USSR	23 OCT	05 MAY 74	
1970-089CP		5896	USSR	23 OCT	02 APR 73	
1970-089CQ		5897	USSR	23 OCT	22 JUL 81	
1970-089CR		5898	USSR	23 OCT	05 NOV 81	
1970-089CS		5963	USSR	23 OCT	23 JUL 79	
1970-089CU		6177	USSR	23 OCT	04 JAN 82	
1970-089CV		13936	USSR	23 OCT	20 OCT 83	
1970-089CX		14834	USSR	23 OCT	08 MAY 84	
1970-089CY		14835	USSR	23 OCT	21 APR 84	
1970-089CZ		14836	USSR	23 OCT	07 APR 89	
1970-089DA		15782	USSR	23 OCT	08 DEC 91	
1970-089DB		17669	USSR	23 OCT	06 JUL 91	
1970-089DE		19433	USSR	23 OCT	25 SEP 89	
1970-089DG		20049	USSR	23 OCT	15 JUN 89	
1970-089DJ		4666	USSR	23 OCT	25 SEP 90	
1970-089M		4669	USSR	23 OCT	08 AUG 80	
1970-089N		4670	USSR	23 OCT	03 APR 78	
1970-089P		4671	USSR	23 OCT	27 JAN 79	
1970-089U		4824	USSR	23 OCT	21 OCT 79	
1970-089Y		5022	USSR	23 OCT	24 JUN 72	
1970-090A		4596	US	23 OCT	11 NOV 70	
1970-091AA		4729	USSR	30 OCT	22 OCT 80	
1970-091AB		4730	USSR	30 OCT	26 NOV 78	
1970-091AC		4731	USSR	30 OCT	24 FEB 81	
1970-091AD		4826	USSR	30 OCT	05 AUG 81	
1970-091AF		4828	USSR	30 OCT	09 NOV 80	
1970-091AG		4896	USSR	30 OCT	16 SEP 77	
1970-091AL		5082	USSR	30 OCT	29 AUG 88	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAY	NOTES
			SOURCE			
1970-091AN		5084	USSR	30 OCT	22 NOV 82	
1970-091AP		5089	USSR	30 OCT	05 DEC 76	
1970-091AS		14527	USSR	30 OCT	29 AUG 90	
1970-091AT		14838	USSR	30 OCT	01 NOV 89	
1970-091AU		18798	USSR	30 OCT	23 JAN 89	
1970-091AW		19023	USSR	30 OCT	27 DEC 89	
1970-091F		4626	USSR	30 OCT	20 FEB 80	
1970-091G		4627	USSR	30 OCT	25 NOV 88	
1970-091K		4633	USSR	30 OCT	21 FEB 84	
1970-091P		4662	USSR	30 OCT	07 APR 82	
1970-091Q		4663	USSR	30 OCT	24 AUG 88	
1970-091W		4725	USSR	30 OCT	27 AUG 88	
1970-092A	COSMOS 376	4599	USSR	30 OCT	12 NOV 70	
1970-092B		4600	USSR	30 OCT	05 NOV 70	
1970-092C		4700	USSR	30 OCT	20 NOV 70	
1970-093C		4631	US	06 NOV	07 NOV 70	
1970-094A	OFO 1	4690	US	09 NOV	09 MAY 71	
1970-094B	RMS	4692	US	09 NOV	07 FEB 71	
1970-094C		4693	US	09 NOV	18 DEC 70	
1970-094D		4747	US	09 NOV	25 JAN 71	
1970-094E		4844	US	09 NOV	21 JAN 71	
1970-095A	LUNA 17	4691	USSR	10 NOV	17 NOV 70	
1970-095B		4694	USSR	10 NOV	13 NOV 70	
1970-095C		4697	USSR	10 NOV	13 NOV 70	
1970-096A	COSMOS 377	4695	USSR	11 NOV	23 NOV 70	
1970-096B		4696	USSR	11 NOV	16 NOV 70	
1970-097A	COSMOS 378	4713	USSR	17 NOV	17 AUG 72	
1970-097B		4714	USSR	17 NOV	30 SEP 72	
1970-098A		4721	US	18 NOV	11 DEC 70	
1970-098B		4722	US	18 NOV	14 SEP 77	
1970-099A	COSMOS 379	4760	USSR	24 NOV	21 SEP 83	
1970-099B		4761	USSR	24 NOV	26 NOV 70	
1970-099C		4780	USSR	24 NOV	13 FEB 71	
1970-099D		4817	USSR	24 NOV	02 JAN 71	
1970-100A	COSMOS 380	4762	USSR	24 NOV	17 JUN 71	
1970-100B		4763	USSR	24 NOV	09 APR 71	
1970-101A	MOLNIYA 1-16	4779	USSR	27 NOV	25 NOV 75	
1970-101B		4781	USSR	27 NOV	11 DEC 70	
1970-101C		4782	USSR	27 NOV	17 DEC 70	
1970-101D		4785	USSR	27 NOV	02 JAN 76	
1970-102C		4840	USSR	02 DEC	23 APR 92	
1970-103D		5316	USSR	02 DEC	07 NOV 90	
1970-103E		5326	USSR	02 DEC	03 JAN 77	
1970-103F		6072	USSR	02 DEC	03 JAN 77	
1970-104A	COSMOS 383	4787	USSR	03 DEC	16 DEC 70	
1970-104B		4788	USSR	03 DEC	09 DEC 70	
1970-105A	COSMOS 384	4791	USSR	10 DEC	22 DEC 70	
1970-105B		4792	USSR	10 DEC	15 DEC 70	
1970-105C		4795	USSR	10 DEC	18 DEC 70	
1970-105D		4796	USSR	10 DEC	18 DEC 70	
1970-105E		4810	USSR	10 DEC	27 DEC 70	
1970-107A	EXPLORER 42	4797	US	12 DEC	05 APR 79	
1970-107B		4798	US	12 DEC	15 DEC 78	
1970-109A	PEOPLE	4801	FRANCE	12 DEC	16 JUN 80	
1970-109C		4803	FRANCE	12 DEC	14 MAY 80	
1970-109D		4839	FRANCE	12 DEC	20 APR 79	

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1970-109E		5264	FRANCE	12 DEC	06 JAN 80	
1970-109F		5952	FRANCE	12 DEC	30 OCT 76	
1970-110A	COSMOS 386	4804	USSR	15 DEC	28 DEC 70	
1970-110B		4805	USSR	15 DEC	19 DEC 70	
1970-110C		4808	USSR	15 DEC	17 DEC 70	
1970-110D		4835	USSR	15 DEC	12 JAN 71	
1970-110E		4836	USSR	15 DEC	03 JAN 71	
1970-110F		4838	USSR	15 DEC	02 JAN 71	
1970-111A	COSMOS 387	4806	USSR	16 DEC	19 JAN 80	
1970-111B		4807	USSR	16 DEC	25 MAR 80	
1970-111C		4809	USSR	16 DEC	12 DEC 71	
1970-111D		4815	USSR	16 DEC	03 SEP 71	
1970-111E		4816	USSR	16 DEC	24 AUG 71	
1970-112A	COSMOS 388	4811	USSR	18 DEC	10 MAY 71	
1970-112B		4812	USSR	18 DEC	17 FEB 71	
1970-112C		4834	USSR	18 DEC	19 SEP 72	
1970-114A	MOLNIYA 1-17	4829	USSR	25 DEC	22 DEC 75	
1970-114B		4830	USSR	25 DEC	23 JAN 71	
1970-114C		4831	USSR	25 DEC	10 FEB 71	
1970-114D		4832	USSR	25 DEC	02 JAN 71	
1970-114E		4833	USSR	25 DEC	02 JAN 71	
1970-114F		4837	USSR	25 DEC	03 MAR 73	
1970-114G		6313	USSR	25 DEC	07 FEB 73	
1971 LAUNCHES						
1971-000E		5310	US	01 JAN	26 SEP 90	14*
1971-001A	COSMOS 390	4845	USSR	12 JAN	25 JAN 71	
1971-001B		4846	USSR	12 JAN	17 JAN 71	
1971-001C		4878	USSR	12 JAN	01 FEB 71	
1971-001D		4879	USSR	12 JAN	27 JAN 71	
1971-001E		4883	USSR	12 JAN	27 JAN 71	
1971-001F		4886	USSR	12 JAN	27 JAN 71	
1971-002A	COSMOS 391	4847	USSR	14 JAN	21 FEB 72	
1971-002B		4848	USSR	14 JAN	21 AUG 71	
1971-004A	COSMOS 392	4872	USSR	21 JAN	02 FEB 71	
1971-004B		4873	USSR	21 JAN	26 FEB 71	
1971-005A		4874	US	21 JAN	09 FEB 71	
1971-005B		4875	US	21 JAN	22 JAN 71	
1971-005C		4909	US	21 JAN	09 FEB 71	
1971-007A	COSMOS 393	4884	USSR	26 JAN	16 JUN 71	
1971-007B		4885	USSR	26 JAN	31 MAR 71	
1971-008A	APOLLO 14	4900	US	31 JAN	09 FEB 71	
1971-008B		4904	US	31 JAN	04 FEB 71	
1971-008C	LUNAR MODULE	4905	US	31 JAN	07 FEB 71	
1971-009C		5974	US	03 FEB	10 AUG 75	
1971-015DH		18548	USSR	05 FEB	12 MAR 88	
1971-010B		4923	USSR	09 FEB	21 MAR 84	
1971-010C		4927	USSR	09 FEB	18 APR 81	
1971-011C		5419	JAPAN	16 FEB	26 JUL 80	
1971-012C		4957	US	17 FEB	17 OCT 89	
1971-012D		4958	US	17 FEB	20 SEP 89	
1971-012E		4963	US	17 FEB	07 JAN 90	
1971-013A	COSMOS 395	4955	USSR	17 FEB	06 APR 80	
1971-013B		4956	USSR	17 FEB	19 JUL 80	
1971-013C		5001	USSR	17 FEB	15 FEB 72	

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1971-013D	COSMOS 396	5002		USSR	17 FEB	17 JAN 72	
1971-013E		5227		USSR	17 FEB	06 SEP 71	
1971-014A		4959		USSR	18 FEB	03 MAR 71	
1971-014B		4960		USSR	18 FEB	25 FEB 71	
1971-014C		4961		USSR	18 FEB	20 FEB 71	
1971-014D		4962		USSR	18 FEB	21 FEB 71	
1971-014E		5005		USSR	18 FEB	08 MAR 71	
1971-014F		5006		USSR	18 FEB	04 MAR 71	
1971-015AA		5101		USSR	25 FEB	24 AUG 89	
1971-015AB		5102		USSR	25 FEB	09 NOV 91	
1971-015AD		5130		USSR	25 FEB	29 OCT 80	
1971-015AQ		5193		USSR	25 FEB	08 MAR 80	
1971-015AR		5194		USSR	25 FEB	25 MAY 80	
1971-015AS		5196		USSR	25 FEB	22 OCT 90	
1971-015AU		5200		USSR	25 FEB	13 FEB 91	
1971-015AV		5201		USSR	25 FEB	09 AUG 77	
1971-015AX		5241		USSR	25 FEB	12 JUL 83	
1971-015AY		5243		USSR	25 FEB	15 DEC 88	
1971-015B		4965		USSR	25 FEB	04 MAR 71	
1971-015BA		5262		USSR	25 FEB	04 OCT 74	
1971-015BC		5273		USSR	25 FEB	04 OCT 91	
1971-015BD		5274		USSR	25 FEB	19 AUG 80	
1971-015BG		5323		USSR	25 FEB	13 APR 81	
1971-015BH		5324		USSR	25 FEB	19 NOV 80	
1971-015BJ		5325		USSR	25 FEB	25 FEB 91	
1971-015BK		5336		USSR	25 FEB	12 FEB 92	
1971-015BM		5415		USSR	25 FEB	09 JUL 78	
1971-015BP		5434		USSR	25 FEB	19 MAR 91	
1971-015BQ		5526		USSR	25 FEB	23 JAN 89	
1971-015BS		5528		USSR	25 FEB	21 FEB 78	
1971-015BU		5530		USSR	25 FEB	11 AUG 89	
1971-015BW		5532		USSR	25 FEB	16 OCT 81	
1971-015BY		5534		USSR	25 FEB	28 DEC 90	
1971-015CC		5760		USSR	25 FEB	12 FEB 92	
1971-015CE		6043		USSR	25 FEB	05 OCT 81	
1971-015CH		6299		USSR	25 FEB	31 JUL 79	
1971-015CJ		6749		USSR	25 FEB	01 OCT 90	
1971-015CM		10398		USSR	25 FEB	11 JUN 74	
1971-015CP		13944		USSR	25 FEB	28 FEB 91	
1971-015CT		15342		USSR	25 FEB	24 MAR 89	
1971-015CU		15343		USSR	25 FEB	23 DEC 92	
1971-015CW		15761		USSR	25 FEB	17 SEP 89	
1971-015CX		15777		USSR	25 FEB	16 DEC 86	
1971-015CY		15787		USSR	25 FEB	31 JUL 91	
1971-015CZ		17029		USSR	25 FEB	29 MAY 90	
1971-015DC		17664		USSR	25 FEB	24 SEP 88	
1971-015DE		18497		USSR	25 FEB	05 JUN 89	
1971-015DF		18521		USSR	25 FEB	11 NOV 89	
1971-015DG		18531		USSR	25 FEB	06 NOV 88	
1971-015DK		18613		USSR	25 FEB	23 SEP 89	
1971-015DL		18692		USSR	25 FEB	02 SEP 89	
1971-015DM		18976		USSR	25 FEB	23 APR 88	
1971-015DP		19064		USSR	25 FEB	03 JAN 90	
1971-015DQ		19114		USSR	25 FEB	02 FEB 89	
1971-015DT		19829		USSR	25 FEB	27 FEB 91	

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1971-015DV		20091	USSR	25 FEB	20 JUN 89	
1971-015R		5090	USSR	25 FEB	10 OCT 89	
1971-015T		5092	USSR	25 FEB	15 MAY 88	
1971-015V		5095	USSR	25 FEB	18 APR 92	
1971-015Y		5099	USSR	25 FEB	27 APR 90	
1971-015Z		5100	USSR	25 FEB	10 FEB 82	
1971-016B		4967	USSR	26 FEB	01 MAR 71	
1971-016C		5008	USSR	26 FEB	12 MAY 71	
1971-016D		5039	USSR	26 FEB	28 MAR 71	
1971-016E		5040	USSR	26 FEB	23 MAR 71	
1971-017A	COSMOS 399	5003	USSR	03 MAR	17 MAR 71	
1971-017B		5004	USSR	03 MAR	08 MAR 71	
1971-017C		5047	USSR	03 MAR	25 MAR 71	
1971-017D		5048	USSR	03 MAR	31 MAR 71	
1971-017E		5049	USSR	03 MAR	23 MAR 71	
1971-018A	MAO 2	5007	PRC	03 MAR	17 JUN 79	
1971-018B		5041	PRC	03 MAR	16 FEB 76	
1971-019A	EXPLORER 43	5043	US	13 MAR	02 OCT 74	
1971-019B		5044	US	13 MAR	22 MAY 71	
1971-019C		5045	US	13 MAR	15 MAR 75	
1971-019D		5046	US	13 MAR	19 APR 71	
1971-019E		5112	US	13 MAR	19 APR 71	
1971-022A		5059	US	24 MAR	12 APR 71	
1971-023A	COSMOS 401	5086	USSR	27 MAR	09 APR 71	
1971-023B		5087	USSR	27 MAR	02 APR 71	
1971-023C		5119	USSR	27 MAR	16 APR 71	
1971-023D		5120	USSR	27 MAR	12 APR 71	
1971-023E		5121	USSR	27 MAR	12 APR 71	
1971-025B		5107	USSR	01 APR	06 MAY 71	
1971-025C		5109	USSR	01 APR	06 APR 71	
1971-025D		5110	USSR	01 APR	05 APR 71	
1971-026A	COSMOS 403	5108	USSR	02 APR	14 APR 71	
1971-026B		5111	USSR	02 APR	05 APR 71	
1971-027A	COSMOS 404	5113	USSR	04 APR	04 APR 71	
1971-027B		5114	USSR	04 APR	12 APR 71	
1971-027C		5115	USSR	04 APR	06 APR 71	
1971-027D		5116	USSR	04 APR	07 APR 71	
1971-028C		5311	USSR	07 APR	12 MAY 74	
1971-029A	COSMOS 406	5124	USSR	14 APR	24 APR 71	
1971-029B		5125	USSR	14 APR	17 APR 71	
1971-029C		5127	USSR	14 APR	14 APR 71	
1971-029D		5169	USSR	14 APR	24 APR 71	
1971-029E		5170	USSR	14 APR	28 APR 71	
1971-029F		5179	USSR	14 APR	26 APR 71	
1971-030A	TOURNESOL	5128	FRANCE	15 APR	28 JAN 80	
1971-030B		5135	FRANCE	15 APR	09 JUL 79	
1971-030C		5139	FRANCE	15 APR	15 JUL 72	
1971-030D		5140	FRANCE	15 APR	15 JUL 77	
1971-030E		5141	FRANCE	15 APR	15 APR 76	
1971-030F		5164	FRANCE	15 APR	03 FEB 77	
1971-030G		5209	FRANCE	15 APR	13 JUL 72	
1971-030H		5268	FRANCE	15 APR	22 MAR 75	
1971-031A	METEOR	5142	USSR	17 APR	10 JAN 91	
1971-032A	SALYUT 1	5160	USSR	19 APR	11 OCT 71	
1971-032B		5161	USSR	19 APR	20 APR 71	
1971-032C		5162	USSR	19 APR	20 APR 71	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1971-032D		5163	USSR	19 APR	21 APR 71	
1971-032E		5166	USSR	19 APR	24 APR 71	
1971-032F		5167	USSR	19 APR	21 APR 71	
1971-032G		5168	USSR	19 APR	21 APR 71	
1971-033A		5171	US	22 APR	13 MAY 71	
1971-034A	SOYUZ 10	5172	USSR	22 APR	24 APR 71	E*
1971-034B		5173	USSR	22 APR	25 APR 71	
1971-036A	SAN MARCO 3	5176	ITALY	24 APR	29 NOV 71	
1971-037A	COSMOS 408	5177	USSR	24 APR	29 DEC 71	
1971-037B		5178	USSR	24 APR	29 SEP 71	
1971-039C		5206	US	05 MAY	05 MAY 71	
1971-040A	COSMOS 410	5207	USSR	06 MAY	18 MAY 71	
1971-040B		5208	USSR	06 MAY	11 MAY 71	
1971-040C		5228	USSR	06 MAY	25 MAY 71	
1971-040D		5229	USSR	06 MAY	19 MAY 71	
1971-042A		5221	USSR	10 MAY	12 MAY 71	
1971-043A	COSMOS 419	5230	USSR	18 MAY	29 MAY 71	
1971-043B	COSMOS 420	5231	USSR	18 MAY	21 MAY 71	
1971-043C		5250	USSR	18 MAY	03 JUN 71	
1971-043D		5251	USSR	18 MAY	30 MAY 71	
1971-043E		5260	USSR	18 MAY	31 MAY 71	
1971-044A	COSMOS 421	5232	USSR	19 MAY	08 NOV 71	
1971-044B		5233	USSR	19 MAY	23 AUG 71	
1971-045B		5235	USSR	19 MAY	21 MAY 71	
1971-045C		5236	USSR	19 MAY	21 MAY 71	
1971-045D	CAPSULE	5739	USSR	19 MAY	27 NOV 71	
1971-047A	COSMOS 423	5246	USSR	27 MAY	26 NOV 71	AR*
1971-047B		5247	USSR	27 MAY	29 AUG 71	
1971-048A	COSMOS 424	5248	USSR	28 MAY	10 JUN 71	
1971-048B		5249	USSR	28 MAY	03 JUN 71	
1971-048C		5286	USSR	28 MAY	15 JUN 71	
1971-048D		5287	USSR	28 MAY	11 JUN 71	
1971-048E		5292	USSR	28 MAY	11 JUN 71	
1971-049B		5255	USSR	28 MAY	11 JUN 71	
1971-049C		5256	USSR	28 MAY	31 MAY 71	
1971-049D		5263	USSR	28 MAY	31 MAY 71	
1971-049E		5667	USSR	28 MAY	01 JUN 71	
1971-050A	CAPSULE	5253	USSR	28 MAY	02 DEC 71	AR*
1971-050B	COSMOS 425	5254	USSR	29 MAY	15 JAN 80	
1971-050C		5257	USSR	29 MAY	28 NOV 79	
1971-050D		5258	USSR	29 MAY	22 MAR 72	
1971-050E		5259	USSR	29 MAY	06 APR 72	
1971-050F		5299	USSR	29 MAY	09 JUN 72	
1971-052C		5722	USSR	29 MAY	14 MAY 72	
1971-052D		5723	USSR	04 JUN	24 MAY 73	
1971-052E		5782	USSR	04 JUN	21 SEP 74	
1971-052F		5956	USSR	04 JUN	22 JUN 73	
1971-053A	SOYUZ 11	5283	USSR	04 JUN	08 DEC 77	
1971-053B		5284	USSR	06 JUN	29 JUN 71	AD*
1971-054A		5285	US	06 JUN	07 JUN 71	
1971-055A	COSMOS 427	5289	USSR	11 JUN	31 JAN 82	
1971-055B		5290	USSR	11 JUN	23 JUN 71	
1971-055C		5291	USSR	11 JUN	20 JUN 71	
1971-055D		5303	USSR	11 JUN	15 JUN 71	
1971-055E		5304	USSR	11 JUN	25 JUN 71	
1971-056A		5297	US	15 JUN	28 JUN 71	

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1971-056B	COSMOS 428	5298	US	15 JUN	20 JUN 71	AJ* G* AM*
1971-057A		5305	USSR	24 JUN	06 JUL 71	
1971-057B		5306	USSR	28 JUN	28 JUN 71	
1971-057C		5307	USSR	24 JUN	27 JUN 71	
1971-057D	EXPLORE _R 44	5308	USSR	24 JUN	27 JUN 71	
1971-057E		5313	USSR	24 JUN	07 JUL 71	
1971-057F		5314	USSR	24 JUN	05 JUL 71	
1971-057G		5315	USSR	24 JUN	05 JUL 71	
1971-058A		5317	US	08 JUL	13 JUL 71	
1971-058B		5318	US	08 JUL	15 DEC 79	
1971-058C		5319	US	08 JUL	28 JAN 76	
1971-058D		5320	US	08 JUL	22 SEP 72	
1971-059A		5327	USSR	16 JUL	07 NOV 75	
1971-059C		5330	USSR	16 JUL	27 AUG 91	
1971-060A	COSMOS 429	5329	US	16 JUL	25 AUG 74	
1971-061A		5331	USSR	16 JUL	31 AUG 78	
1971-061B		5332	USSR	20 JUL	02 AUG 71	
1971-061C		5370	USSR	20 JUL	23 JUL 71	
1971-061D		5371	USSR	20 JUL	03 AUG 71	
1971-061E		5373	USSR	20 JUL	04 AUG 71	
1971-062A		5340	USSR	23 JUL	04 AUG 71	
1971-062B		5341	USSR	23 JUL	05 AUG 71	
1971-062C		5342	USSR	23 JUL	29 JUL 71	
1971-062D		5343	USSR	23 JUL	26 JUL 71	
1971-062E	APOLLO 15	5374	USSR	23 JUL	25 JUL 71	
1971-062F		5378	USSR	23 JUL	06 AUG 71	
1971-062G		5385	USSR	23 JUL	09 AUG 71	
1971-063A		5351	US	23 JUL	07 AUG 71	
1971-063B		5352	US	26 JUL	07 AUG 71	
1971-063C		5352	US	26 JUL	30 JUL 71	
1971-064A		5366	USSR	26 JUL	03 AUG 71	
1971-064B		5367	USSR	28 JUL	19 AUG 77	
1971-064C		5353	USSR	28 JUL	29 AUG 71	
1971-064D		5354	USSR	28 JUL	24 AUG 77	
1971-064E	COSMOS 431	5355	USSR	28 JUL	14 AUG 77	AJ* G* AM*
1971-064F		5356	USSR	28 JUL	04 AUG 71	
1971-065A		5364	USSR	30 JUL	02 AUG 71	
1971-065B		5365	USSR	30 JUL	11 AUG 71	
1971-065C		5369	USSR	30 JUL	04 AUG 71	
1971-066A		5379	USSR	05 AUG	05 AUG 71	
1971-066B		5380	USSR	05 AUG	18 AUG 71	
1971-066C		5381	USSR	05 AUG	09 AUG 71	
1971-066D		5436	USSR	05 AUG	08 AUG 71	
1971-066E		5437	USSR	05 AUG	21 AUG 71	
1971-067A	OAR-901 OAR-907	5394	US	07 AUG	18 AUG 71	
1971-067C		5382	US	07 AUG	28 AUG 71	
1971-067D		5383	US	07 AUG	31 JAN 72	
1971-067F		5396	US	07 AUG	19 SEP 71	
1971-067G	COSMOS 433	5401	US	07 AUG	11 JUN 72	
1971-067H		5406	US	07 AUG	14 APR 79	
1971-067P		5410	US	07 AUG	02 NOV 79	
1971-068A		5402	USSR	08 AUG	01 SEP 81	
1971-068B		5403	USSR	08 AUG	09 AUG 71	
1971-068C		5404	USSR	08 AUG	10 AUG 71	
1971-069A		5407	USSR	12 AUG	22 AUG 81	
1971-069B		5408	USSR	12 AUG	18 AUG 71	

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			SOURCE			
1971-069D		5427	USSR	12 AUG	19 SEP 71	
1971-069E		5428	USSR	12 AUG	28 OCT 71	
1971-070A		5409	US	12 AUG	03 SEP 71	
1971-070B		5452	US	12 AUG	04 SEP 71	
1971-072A	COSMOS 435	5441	USSR	27 AUG	28 JAN 72	
1971-072B		5442	USSR	02 SEP	20 NOV 71	
1971-073A	LUNA 18	5448	USSR	02 SEP	11 SEP 71	A*
1971-073C		5450	USSR	02 SEP	07 SEP 71	
1971-073D		5451	USSR	02 SEP	07 SEP 71	
1971-073E		5453	USSR	02 SEP	07 SEP 71	
1971-074A	COSMOS 436	5461	USSR	07 SEP	03 SEP 71	
1971-074B		5462	USSR	07 SEP	04 JAN 80	
1971-074C		5463	USSR	07 SEP	13 MAR 80	AS*
1971-074D		5464	USSR	07 SEP	12 MAY 72	
1971-074E		5465	USSR	07 SEP	22 JAN 72	
1971-074F		5470	USSR	07 SEP	09 MAY 72	
1971-074G		5583	USSR	07 SEP	11 MAY 72	
1971-074H		5584	USSR	07 SEP	30 JUL 72	
1971-074J		5718	USSR	07 SEP	19 APR 72	
1971-074K		5776	USSR	07 SEP	06 MAY 72	
1971-074L		5777	USSR	07 SEP	11 JUN 72	
1971-074M		5779	USSR	07 SEP	11 APR 72	
1971-074N		5780	USSR	07 SEP	05 JUL 72	
1971-074P		5781	USSR	07 SEP	27 MAY 72	
1971-074Q		5783	USSR	07 SEP	12 JUL 72	
1971-075A	COSMOS 437	5466	USSR	10 SEP	29 MAR 80	
1971-075B		5467	USSR	10 SEP	06 JAN 80	
1971-075C		8779	USSR	10 SEP	23 FEB 77	
1971-076A		5468	US	10 SEP	05 OCT 71	
1971-076B		5469	US	10 SEP	03 FEB 76	
1971-076C		6181	US	10 SEP	29 MAR 73	
1971-077A	COSMOS 438	5475	USSR	14 SEP	27 SEP 71	
1971-077B		5476	USSR	14 SEP	22 SEP 71	
1971-077C		5477	USSR	14 SEP	16 SEP 71	
1971-077D		5482	USSR	14 SEP	28 SEP 71	
1971-077E		5483	USSR	14 SEP	27 SEP 71	
1971-077F		5484	USSR	14 SEP	30 SEP 71	
1971-078A	COSMOS 439	5478	USSR	21 SEP	02 OCT 71	
1971-078B		5479	USSR	21 SEP	27 SEP 71	
1971-079A	COSMOS 440	5480	USSR	24 SEP	29 OCT 72	
1971-079B		5481	USSR	24 SEP	10 MAY 72	
1971-081A	COSMOS 441	5486	USSR	28 SEP	10 OCT 71	
1971-081B		5487	USSR	28 SEP	03 OCT 71	
1971-081C		5495	USSR	28 SEP	06 OCT 71	
1971-081D		5496	USSR	28 SEP	28 SEP 71	
1971-081E		5541	USSR	28 SEP	13 OCT 71	
1971-081F		5542	USSR	28 SEP	11 OCT 71	
1971-081G		5543	USSR	28 SEP	12 OCT 71	
1971-082B		5489	USSR	28 SEP	01 OCT 71	
1971-082D		5494	USSR	28 SEP	01 OCT 71	
1971-083A	OSO 7	5491	US	29 SEP	09 JUL 74	
1971-083B	TETR 4	5492	US	29 SEP	19 SEP 78	
1971-083C		5499	US	29 SEP	24 JAN 74	
1971-083D		5610	US	29 SEP	20 DEC 71	
1971-084A	COSMOS 442	5493	USSR	29 SEP	12 OCT 71	
1971-084B		5497	USSR	29 SEP	05 OCT 71	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1971-084C		5544	USSR	29 SEP	14 OCT 71	
1971-084D		5545	USSR	29 SEP	17 OCT 71	
1971-084E		5546	USSR	29 SEP	19 OCT 71	
1971-085A		5536	USSR	07 OCT	19 OCT 71	
1971-085B	COSMOS 443	5537	USSR	07 OCT	13 OCT 71	
1971-085C		5538	USSR	07 OCT	14 OCT 71	
1971-085D		5539	USSR	07 OCT	10 OCT 71	
1971-085E		5561	USSR	07 OCT	21 OCT 71	
1971-085F		5562	USSR	07 OCT	30 OCT 71	
1971-088A		5558	USSR	14 OCT	27 OCT 71	
1971-088B	COSMOS 452	5559	USSR	14 OCT	18 OCT 71	
1971-088C		5577	USSR	14 OCT	28 OCT 71	
1971-088D		5578	USSR	14 OCT	31 OCT 71	
1971-088E		5579	USSR	14 OCT	30 OCT 71	
1971-088F		5590	USSR	14 OCT	16 NOV 71	
1971-090A		5563	USSR	19 OCT	19 MAR 72	
1971-090B		5564	USSR	19 OCT	01 JAN 72	
1971-090C	COSMOS 453	5596	USSR	19 OCT	24 DEC 71	
1971-091A		5565	US	21 OCT	21 JUL 72	
1971-091B		5566	US	21 OCT	18 NOV 71	
1971-091C		5570	US	21 OCT	09 FEB 72	
1971-091D		5576	US	21 OCT	23 JUL 83	
1971-091E		5602	US	21 OCT	01 JUL 74	
1971-092A		5575	US	23 OCT	17 NOV 71	
1971-092B		5606	US	23 OCT	17 NOV 71	
1971-093C		5582	UK	28 OCT	16 DEC 79	
1971-094A		5585	USSR	02 NOV	16 NOV 71	
1971-094B	COSMOS 454	5586	USSR	02 NOV	06 NOV 71	
1971-094C		5603	USSR	02 NOV	22 NOV 71	
1971-094D		5604	USSR	02 NOV	25 NOV 71	
1971-094E		5605	USSR	02 NOV	22 NOV 71	
1971-094F		5607	USSR	02 NOV	21 NOV 71	
1971-096A	EXPLORER 45	5598	US	15 NOV	10 JAN 92	
1971-096B		5973	US	15 NOV	03 MAR 87	
1971-096C		21859	US	15 NOV	27 JUN 92	
1971-097A		5608	USSR	17 NOV	09 APR 72	
1971-097B	COSMOS 455	5609	USSR	17 NOV	08 FEB 72	
1971-098A		5611	USSR	19 NOV	02 DEC 71	
1971-098B		5612	USSR	19 NOV	25 NOV 71	
1971-098C		5613	USSR	19 NOV	20 NOV 71	
1971-098D		5616	USSR	19 NOV	20 NOV 71	
1971-098E		5639	USSR	19 NOV	10 DEC 71	
1971-098F		5640	USSR	19 NOV	06 DEC 71	
1971-098G		5653	USSR	19 NOV	05 DEC 71	
1971-098H		5657	USSR	19 NOV	06 DEC 71	
1971-100A		5620	USSR	24 NOV	10 MAY 76	
1971-100B	MOLNIYA 2-1	5617	USSR	24 NOV	19 DEC 71	
1971-100C		5618	USSR	24 NOV	30 DEC 71	
1971-100D		5619	USSR	24 NOV	29 NOV 71	
1971-100E		5689	USSR	24 NOV	05 JAN 74	
1971-101A	COSMOS 458	5623	USSR	29 NOV	20 APR 72	
1971-101B		5624	USSR	29 NOV	14 FEB 72	
1971-102A	COSMOS 459	5625	USSR	29 NOV	27 DEC 71	
1971-102B		5626	USSR	29 NOV	11 DEC 71	
1971-102C		5627	USSR	29 NOV	04 DEC 71	
1971-103A	COSMOS 460	5628	USSR	30 NOV	05 MAR 80	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1971-103B		5629	USSR	30 NOV	04 MAY 80	
1971-103C		5630	USSR	30 NOV	21 NOV 72	
1971-104A	INTERCOSMOS 5	5641	USSR	02 DEC	07 APR 72	
1971-104B		5642	USSR	02 DEC	02 MAR 72	
1971-104C		5645	USSR	02 DEC	13 DEC 71	
1971-105A	COSMOS 461	5643	USSR	02 DEC	21 FEB 79	
1971-105B		5644	USSR	02 DEC	29 APR 79	
1971-105C		5647	USSR	02 DEC	03 APR 72	
1971-105D		5648	USSR	02 DEC	03 APR 72	
1971-106A	COSMOS 462	5646	USSR	03 DEC	04 APR 75	
1971-106AA		5832	USSR	03 DEC	15 MAR 72	
1971-106AB		5833	USSR	03 DEC	25 FEB 72	
1971-106AC		5834	USSR	03 DEC	19 MAR 72	
1971-106AD		5866	USSR	03 DEC	11 JUL 72	
1971-106AE		5867	USSR	03 DEC	22 MAR 72	
1971-106B		5649	USSR	03 DEC	02 FEB 72	
1971-106C		5650	USSR	03 DEC	05 JAN 72	
1971-106D		5651	USSR	03 DEC	09 FEB 72	
1971-106E		5652	USSR	03 DEC	24 DEC 71	
1971-106F		5654	USSR	03 DEC	10 FEB 72	
1971-106G		5655	USSR	03 DEC	31 MAR 72	
1971-106H		5656	USSR	03 DEC	24 DEC 71	
1971-106J		5658	USSR	03 DEC	19 DEC 71	
1971-106K		5659	USSR	03 DEC	18 FEB 72	
1971-106L		5660	USSR	03 DEC	20 MAR 72	
1971-106M		5664	USSR	03 DEC	11 DEC 71	
1971-106N		5665	USSR	03 DEC	09 MAR 72	
1971-106P		5666	USSR	03 DEC	26 JAN 72	
1971-106Q		5668	USSR	03 DEC	13 DEC 71	
1971-106R		5672	USSR	03 DEC	18 MAR 72	
1971-106S		5673	USSR	03 DEC	02 MAR 72	
1971-106T		5798	USSR	03 DEC	08 MAR 72	
1971-106U		5799	USSR	03 DEC	06 FEB 73	
1971-106V		5800	USSR	03 DEC	29 OCT 72	
1971-106W		5801	USSR	03 DEC	26 FEB 72	
1971-106X		5802	USSR	03 DEC	16 MAR 72	
1971-106Y		5803	USSR	03 DEC	11 DEC 71	
1971-106Z		5831	USSR	06 DEC	11 DEC 71	
1971-107A	COSMOS 463	5661	USSR	06 DEC	09 DEC 71	
1971-107B		5662	USSR	06 DEC	15 DEC 71	
1971-107C		5663	USSR	06 DEC	16 DEC 71	
1971-107D		5669	USSR	10 DEC	24 DEC 71	
1971-108A	COSMOS 464	5670	USSR	10 DEC	27 DEC 71	
1971-108B		5671	USSR	10 DEC	17 DEC 71	
1971-108C		5674	USSR	10 DEC	19 DEC 71	
1971-108D		5684	USSR	11 DEC	12 DEC 78	
1971-108E		5686	USSR	11 DEC	09 AUG 78	
1971-109A	ARIEL 4	5675	UK	11 DEC	18 JAN 73	
1971-109B		5676	US	11 DEC	20 OCT 72	
1971-109C		5677	US	11 DEC	27 DEC 71	
1971-109D		5979	US	16 DEC	21 DEC 71	
1971-112A	COSMOS 466	5687	USSR	16 DEC	03 JAN 72	
1971-112B		5688	USSR	16 DEC	31 DEC 71	
1971-112C		5725	USSR	16 DEC	18 APR 72	
1971-112D		5726	USSR	17 DEC		
1971-113A	COSMOS 467	5704	USSR	17 DEC		

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES	
1971-113B	MOLNIYA 1-19	5706	USSR	17 DEC	17 FEB 72		
1971-115A		5712	USSR	19 DEC	13 APR 77		
1971-115B		5713	USSR	19 DEC	22 SEP 77		
1971-115C		5708	USSR	19 DEC	26 JAN 72		
1971-115D		5710	USSR	19 DEC	27 JAN 72		
1971-117B		5737	USSR	25 DEC	09 FEB 72		
1971-117C		5738	USSR	25 DEC	07 JAN 72		
1971-118A		COSMOS 470	5727	USSR	27 DEC	06 JAN 72	
1971-118B			5728	USSR	27 DEC	30 DEC 71	
1971-118C			5740	USSR	27 DEC	06 JAN 72	
1971-118D	5741		USSR	27 DEC	06 JAN 72		
1971-118E	5742		USSR	27 DEC	07 JAN 72		
1971-119C	5962		USSR	27 DEC	19 FEB 78		
1971-119D	6163		USSR	27 DEC	02 OCT 73		
1971-119E	6190	USSR	27 DEC	25 OCT 77			
1971-120E		9800	USSR	29 DEC	24 APR 84		
1972 LAUNCHES							
1972-001A	COSMOS 471	5764	USSR	12 JAN	25 JAN 72		
1972-001B		5765	USSR	12 JAN	20 JAN 72		
1972-001C		5767	USSR	12 JAN	15 JAN 72		
1972-001D		5773	USSR	12 JAN	24 JAN 72		
1972-001E	COSMOS 472	5774	USSR	12 JAN	24 JAN 72		
1972-001F		5806	USSR	12 JAN	26 JAN 72		
1972-001G		5812	USSR	12 JAN	26 JAN 72		
1972-002A		5769	US	20 JAN	29 FEB 72		
1972-002B		5770	US	20 JAN	23 JAN 72		
1972-002C		5771	US	20 JAN	23 JAN 72		
1972-002D		5772	US	20 JAN	17 APR 79		
1972-004A		5804	USSR	25 JAN	18 AUG 72		
1972-004B		5805	USSR	25 JAN	06 MAY 72		
1972-005A		HEOS-A2	5814	ESRO	31 JAN	02 AUG 74	
1972-005B	5815		US	31 JAN	27 SEP 78		
1972-005C	5817		US	31 JAN	01 SEP 74		
1972-005D	5818		US	31 JAN	08 JUN 75		
1972-005E	COSMOS 473	5819	US	31 JAN	02 SEP 75		
1972-006A		5821	USSR	03 FEB	15 FEB 72	AP*	
1972-006B		5822	USSR	03 FEB	11 FEB 72		
1972-007A	LUNA 20	5835	USSR	14 FEB	25 FEB 72		
1972-007C		5837	USSR	14 FEB	17 FEB 72		
1972-007D		5838	USSR	14 FEB	17 FEB 72		
1972-007E	COSMOS 474	5841	USSR	14 FEB	21 FEB 72		
1972-008A		5839	USSR	16 FEB	29 FEB 72		
1972-008B		5840	USSR	16 FEB	23 FEB 72		
1972-008C		5848	USSR	16 FEB	29 FEB 72		
1972-008D		5849	USSR	16 FEB	28 FEB 72		
1972-008E	COSMOS 476	5850	USSR	16 FEB	01 MAR 72		
1972-010C		5855	US	01 MAR	03 MAR 72		
1972-011A		5852	USSR	01 MAR	25 OCT 91		
1972-011C		20128	USSR	01 MAR	13 JAN 90		
1972-012C	COSMOS 477	5878	US	03 MAR	18 AUG 72		
1972-013A		5862	USSR	04 MAR	16 MAR 72		
1972-013B		5863	USSR	04 MAR	10 MAR 72		
1972-013C		5864	USSR	04 MAR	05 MAR 72		
1972-013D		5865	USSR	04 MAR	05 MAR 72		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1972-013E		5882	USSR	04 MAR	23 MAR 72	
1972-013F		5883	USSR	04 MAR	17 MAR 72	
1972-014A	TD-1A	5879	ESRO	12 MAR	09 JAN 80	
1972-014B		5880	US	12 MAR	09 OCT 80	
1972-014C		5881	ESRO	12 MAR	22 MAY 72	
1972-014D		5884	ESRO	12 MAR	15 NOV 75	
1972-014E		5932	ESRO	12 MAR	27 OCT 75	
1972-015A	COSMOS 478	5885	USSR	15 MAR	28 MAR 72	
1972-015B		5886	USSR	15 MAR	21 MAR 72	
1972-015C		5887	USSR	15 MAR	17 MAR 72	
1972-015D		5909	USSR	15 MAR	28 MAR 72	
1972-015E		5910	USSR	15 MAR	30 MAR 72	
1972-015F		5915	USSR	15 MAR	30 MAR 72	
1972-016A		5888	US	17 MAR	11 APR 72	
1972-017A	COSMOS 479	5894	USSR	22 MAR	13 APR 80	
1972-017B		5895	USSR	22 MAR	12 MAY 80	
1972-017C		5901	USSR	22 MAR	26 NOV 72	
1972-017D		5902	USSR	22 MAR	01 NOV 72	
1972-017E		5911	USSR	22 MAR	05 NOV 72	
1972-020A	COSMOS 481	5906	USSR	25 MAR	02 SEP 72	
1972-020B		5908	USSR	25 MAR	11 JUN 72	
1972-021A	VENERA 8	5912	USSR	27 MAR	22 JUL 72	
1972-021B		5913	USSR	27 MAR	29 MAR 72	
1972-021C		5914	USSR	27 MAR	29 MAR 72	
1972-023C		5921	USSR	27 MAR	02 APR 72	
1972-023A	COSMOS 482	5919	USSR	31 MAR	05 MAY 81	
1972-023B		5920	USSR	31 MAR	01 APR 72	
1972-023D		5923	USSR	31 MAR	20 FEB 83	
1972-024A	COSMOS 483	5924	USSR	03 APR	15 APR 72	
1972-024B		5925	USSR	03 APR	12 APR 72	
1972-024C		5926	USSR	03 APR	19 APR 72	
1972-024D		5943	USSR	03 APR	18 APR 72	
1972-024E		5944	USSR	03 APR	30 JAN 74	
1972-025A	MOLNIYA 1-20	5927	USSR	04 APR	26 FEB 74	
1972-025B	SRET 1	5928	FRANCE	04 APR	28 APR 72	
1972-025C		5929	USSR	04 APR	08 MAY 72	
1972-025D		5930	USSR	04 APR	10 APR 72	
1972-025E		5931	USSR	04 APR	10 APR 72	
1972-025F		5935	USSR	04 APR	08 MAR 74	
1972-025G	COSMOS 484	5940	USSR	06 APR	18 APR 72	
1972-026A		5933	USSR	06 APR	08 APR 72	
1972-026B		5934	USSR	06 APR	18 APR 72	
1972-026C		6002	USSR	06 APR	18 APR 72	
1972-027A	INTERCOSMOS 6	5936	USSR	07 APR	11 APR 72	
1972-027B		5937	USSR	07 APR	10 APR 72	
1972-028A	COSMOS 485	5938	USSR	11 APR	30 AUG 72	
1972-028B		5939	USSR	11 APR	16 JUN 72	
1972-029B		5942	USSR	14 APR	11 MAY 72	
1972-029C		5946	USSR	14 APR	17 MAY 72	
1972-029D		5949	USSR	14 APR	19 APR 72	
1972-029E		6008	USSR	14 APR	01 JUN 72	
1972-030A	COSMOS 486	5945	USSR	14 APR	27 APR 72	
1972-030B		5947	USSR	14 APR	17 APR 72	
1972-030C		5948	USSR	14 APR	22 APR 72	
1972-030D		6010	USSR	14 APR	27 APR 72	
1972-030E		6011	USSR	14 APR	26 APR 72	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1972-030F		6012	USSR	14 APR	28 APR 72	
1972-031A	APOLLO 16	6000	US	16 APR	27 APR 72	AJ*
1972-031B		6001	US	16 APR	19 APR 72	G*
1972-031D	APOLLO 16	6009	US	16 APR	29 MAY 72	G*
	SUBSATELLITE					
1972-032A		6003	US	19 APR	12 MAY 72	
1972-033A	COSMOS 487	6006	USSR	21 APR	24 SEP 72	
1972-033B		6007	USSR	21 APR	03 JUL 72	
1972-033C		6013	USSR	21 APR	29 APR 72	
1972-034A	COSMOS 488	6016	USSR	05 MAY	18 MAY 72	
1972-034B		6017	USSR	05 MAY	11 MAY 72	
1972-034C		6018	USSR	05 MAY	07 MAY 72	
1972-034D		6023	USSR	05 MAY	20 MAY 72	
1972-034E		6024	USSR	05 MAY	23 MAY 72	
1972-034F		6025	USSR	05 MAY	20 MAY 72	
1972-034G		6026	USSR	05 MAY	20 MAY 72	
1972-034H		6027	USSR	05 MAY	19 MAY 72	
1972-036A	COSMOS 490	6021	USSR	17 MAY	23 MAY 72	
1972-036B		6022	USSR	17 MAY	30 MAY 72	
1972-036C		6039	USSR	17 MAY	06 JUN 72	
1972-036D		6040	USSR	17 MAY	22 MAR 77	
1972-037A	MOLNIYA 2-2	6031	USSR	19 MAY	08 JUN 72	
1972-037B		6028	USSR	19 MAY	09 JUN 72	
1972-037C		6029	USSR	19 MAY	06 JUN 72	
1972-037D		6030	USSR	19 MAY	26 MAY 72	
1972-037E		6032	USSR	19 MAY	01 JUN 72	
1972-037F		6033	USSR	19 MAY	01 JUN 77	
1972-037G		6034	USSR	19 MAY	08 JUN 72	
1972-038A	COSMOS 491	6035	USSR	25 MAY	30 MAY 72	
1972-038B		6036	USSR	25 MAY	29 MAY 72	
1972-038C		6038	USSR	25 MAY	09 JUN 72	
1972-038D		6046	USSR	25 MAY	11 JUN 72	
1972-038E		6047	USSR	25 MAY	10 JUN 72	
1972-038F		6048	USSR	25 MAY	04 JUN 72	
1972-039A		6037	US	09 JUN	22 JUN 72	
1972-040A	COSMOS 492	6049	USSR	09 JUN	18 JUN 72	
1972-040B		6050	USSR	09 JUN	24 JUN 72	
1972-040C		6055	USSR	09 JUN	27 JUN 72	
1972-040D		6057	USSR	09 JUN	27 JUN 72	
1972-040E		6064	USSR	10 JUN	29 MAR 73	
1972-053E		6164	USSR	21 JUN	03 JUL 72	
1972-042A	COSMOS 493	6053	USSR	21 JUN	25 JUN 72	
1972-042B		6054	USSR	21 JUN	23 JUN 72	
1972-042C		6056	USSR	23 JUN	23 JUN 82	
1972-043E		6162	USSR	23 JUN	06 JUL 72	
1972-044A	COSMOS 495	6060	USSR	23 JUN	29 JUN 72	
1972-044B		6062	USSR	23 JUN	06 JUL 72	
1972-044C		6088	USSR	23 JUN	06 JUL 72	
1972-044D		6089	USSR	23 JUN	07 JUL 72	
1972-044E		6093	USSR	23 JUN	02 JUL 72	
1972-045A	COSMOS 496	6066	USSR	26 JUN	02 JUL 72	
1972-045B		6067	USSR	26 JUN	04 JUL 72	
1972-045C		6083	USSR	26 JUN	15 DEC 82	
1972-046A	PROGNOZ 2	6068	USSR	29 JUN	01 AUG 72	
1972-046B		6069	USSR	29 JUN	13 AUG 72	
1972-046C		6070	USSR	29 JUN		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1972-046D		6071	USSR	29 JUN	19 JUL 72	
1972-046E		6074	USSR	29 JUN	04 JUL 72	
1972-047A	INTERCOSMOS 7	6075	USSR	30 JUN	05 OCT 72	
1972-047B		6078	USSR	30 JUN	29 SEP 72	
1972-047C		6081	USSR	30 JUN	01 SEP 72	
1972-048A	COSMOS 497	6076	USSR	30 JUN	07 NOV 73	
1972-048B		6077	USSR	30 JUN	17 MAR 73	
1972-048C		6082	USSR	30 JUN	01 JAN 76	
1972-050A	COSMOS 498	6086	USSR	05 JUL	25 NOV 72	
1972-050B		6087	USSR	05 JUL	27 SEP 72	
1972-051A	COSMOS 499	6090	USSR	06 JUL	17 JUL 72	
1972-051B		6091	USSR	06 JUL	10 JUL 72	
1972-051C		6092	USSR	06 JUL	10 JUL 72	
1972-051D		6112	USSR	06 JUL	19 JUL 72	
1972-051E		6113	USSR	06 JUL	20 JUL 72	
1972-052A		6094	US	07 JUL	13 SEP 72	
1972-052B		6095	US	07 JUL	09 JUL 72	
1972-052C		6096	US	07 JUL	06 MAY 78	
1972-053A	COSMOS 500	6097	USSR	10 JUL	29 MAR 80	
1972-053B		6098	USSR	10 JUL	27 APR 80	
1972-053C		6101	USSR	10 JUL	25 MAR 73	
1972-053D		6102	USSR	10 JUL	15 APR 73	
1972-053F		6174	USSR	10 JUL	14 APR 73	
1972-054A	COSMOS 501	6099	USSR	12 JUL	09 MAY 74	
1972-054B		6100	USSR	12 JUL	10 JUN 73	
1972-054C		6103	USSR	12 JUL	05 SEP 72	
1972-054D		6104	USSR	12 JUL	07 AUG 72	
1972-054E		6107	USSR	12 JUL	06 AUG 72	
1972-054F		6108	USSR	12 JUL	25 JUL 72	
1972-054G		6109	USSR	12 JUL	25 JUL 72	
1972-054H		6110	USSR	12 JUL	18 SEP 72	
1972-054J		6133	USSR	12 JUL	25 JUL 72	
1972-055A	COSMOS 502	6105	USSR	13 JUL	25 JUL 72	
1972-055B		6106	USSR	13 JUL	15 JUL 72	
1972-055C		6111	USSR	13 JUL	25 JUL 72	
1972-055D		6128	USSR	13 JUL	26 JUL 72	
1972-055E		6129	USSR	13 JUL	01 AUG 72	
1972-056A	COSMOS 503	6114	USSR	19 JUL	27 JUL 72	
1972-056B		6115	USSR	19 JUL	23 JUL 72	
1972-056C		6116	USSR	19 JUL	01 AUG 72	
1972-056D		6132	USSR	19 JUL	03 AUG 72	
1972-056E		6134	USSR	19 JUL	17 APR 89	
1972-058AA		7854	US	23 JUL	09 MAY 79	
1972-058AC		7856	US	23 JUL	28 DEC 81	
1972-058AE		7858	US	23 JUL	09 APR 80	
1972-058AF		7859	US	23 JUL	18 JUL 79	
1972-058AG		7860	US	23 JUL	30 JUL 79	
1972-058AH		7861	US	23 JUL	11 JUL 80	
1972-058AJ		7862	US	23 JUL	02 NOV 79	
1972-058AK		7863	US	23 JUL	14 AUG 81	
1972-058AL		7864	US	23 JUL	26 AUG 90	
1972-058AN		7866	US	23 JUL	31 AUG 91	
1972-058AO		7868	US	23 JUL	05 JAN 90	
1972-058AR		7869	US	23 JUL	07 MAY 90	
1972-058AT		7871	US	23 JUL	02 MAR 82	
1972-058AU		7872	US	23 JUL		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1972-058AV		7873	US	23 JUL	31 DEC 78	
1972-058AX		7875	US	23 JUL	25 MAR 89	
1972-058AY		7876	US	23 JUL	05 DEC 89	
1972-058AZ		7882	US	23 JUL	13 NOV 80	
1972-058B		6127	US	23 JUL	12 FEB 77	
1972-058BA		7883	US	23 JUL	04 NOV 81	
1972-058BB		7884	US	23 JUL	23 NOV 75	
1972-058BC		7886	US	23 JUL	03 MAY 80	
1972-058BD		7887	US	23 JUL	17 MAR 80	
1972-058BE		7888	US	23 JUL	14 DEC 89	
1972-058BF		7889	US	23 JUL	10 OCT 92	
1972-058BH		7891	US	23 JUL	25 SEP 81	
1972-058BL		7894	US	23 JUL	25 APR 80	
1972-058BM		7895	US	23 JUL	24 OCT 79	
1972-058BN		7896	US	23 JUL	27 NOV 79	
1972-058BP		7897	US	23 JUL	12 APR 80	
1972-058BQ		7898	US	23 JUL	09 JUL 81	
1972-058BR		7899	US	23 JUL	23 JUL 81	
1972-058BT		7908	US	23 JUL	16 JUN 79	
1972-058BU		7909	US	23 JUL	06 DEC 79	
1972-058BV		7914	US	23 JUL	28 JUN 81	
1972-058BW		7928	US	23 JUL	09 MAY 80	
1972-058BX		7929	US	23 JUL	16 JUL 80	
1972-058BZ		7931	US	23 JUL	30 OCT 88	
1972-058CA		7932	US	23 JUL	22 MAY 82	
1972-058CC		7934	US	23 JUL	08 DEC 91	
1972-058CD		7935	US	23 JUL	17 APR 92	
1972-058CE		7936	US	23 JUL	07 SEP 80	
1972-058CL		7945	US	23 JUL	03 MAR 90	
1972-058CR		7961	US	23 JUL	12 JAN 80	
1972-058CS		7966	US	23 JUL	05 DEC 81	
1972-058CU		7973	US	23 JUL	14 NOV 78	
1972-058CV		7974	US	23 JUL	04 JUN 89	
1972-058CW		7975	US	23 JUL	31 MAR 80	
1972-058CY		7977	US	23 JUL	14 JAN 79	
1972-058CZ		7978	US	23 JUL	09 MAR 80	
1972-058D		7833	US	23 JUL	29 JUN 81	
1972-058DB		7980	US	23 JUL	18 FEB 79	
1972-058DC		8001	US	23 JUL	18 JUL 78	
1972-058DD		8002	US	23 JUL	27 AUG 80	
1972-058DE		8003	US	23 JUL	26 JAN 79	
1972-058DG		8005	US	23 JUL	10 SEP 91	
1972-058DH		8082	US	23 JUL	11 JAN 80	
1972-058DJ		8083	US	23 JUL	22 MAR 91	
1972-058DL		8085	US	23 JUL	23 DEC 78	
1972-058DM		8086	US	23 JUL	12 APR 80	
1972-058DN		8087	US	23 JUL	05 MAY 77	
1972-058DP		8088	US	23 JUL	25 MAY 80	
1972-058DQ		8089	US	23 JUL	25 NOV 81	
1972-058DR		8090	US	23 JUL	13 JAN 80	
1972-058DS		8091	US	23 JUL	07 FEB 79	
1972-058DU		8093	US	23 JUL	18 JUL 78	
1972-058DV		8094	US	23 JUL	30 APR 80	
1972-058DW		8095	US	23 JUL	09 JUN 83	
1972-058DX		8096	US	23 JUL	28 JUN 76	
1972-058DY		8097	US	23 JUL	15 NOV 75	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1972-058D2		8098	US	23 JUL	02 FEB 80	
1972-058E		7834	US	23 JUL	09 MAY 81	
1972-058EA		8099	US	23 JUL	27 APR 91	
1972-058EB		8123	US	23 JUL	13 JAN 89	
1972-058EC		8124	US	23 JUL	09 NOV 78	
1972-058ED		8125	US	23 JUL	12 OCT 75	
1972-058EE		8126	US	23 JUL	10 JUN 82	
1972-058EF		8313	US	23 JUL	25 MAR 82	
1972-058EH		8315	US	23 JUL	06 NOV 79	
1972-058EJ		8316	US	23 JUL	12 MAY 81	
1972-058EK		8317	US	23 JUL	08 MAR 81	
1972-058EL		8318	US	23 JUL	10 JUL 89	
1972-058EN		8320	US	23 JUL	15 APR 82	
1972-058EP		8321	US	23 JUL	14 APR 79	
1972-058EQ		8374	US	23 JUL	16 JUN 79	
1972-058ER		8375	US	23 JUL	27 MAY 81	
1972-058ES		8376	US	23 JUL	05 MAR 83	
1972-058ET		8377	US	23 JUL	22 NOV 82	
1972-058EU		8378	US	23 JUL	28 MAR 78	
1972-058EV		8379	US	23 JUL	09 MAR 81	
1972-058EW		8380	US	23 JUL	30 MAR 79	
1972-058EX		8381	US	23 JUL	23 SEP 79	
1972-058EY		8382	US	23 JUL	13 OCT 80	
1972-058EZ		8383	US	23 JUL	09 OCT 79	
1972-058F		7835	US	23 JUL	23 FEB 77	
1972-058FA		8384	US	23 JUL	23 FEB 79	
1972-058FB		8385	US	23 JUL	07 DEC 79	
1972-058FD		8387	US	23 JUL	13 NOV 78	
1972-058FE		8388	US	23 JUL	16 JUN 79	
1972-058FF		8389	US	23 JUL	25 JUN 81	
1972-058FG		8390	US	23 JUL	19 DEC 80	
1972-058FH		8391	US	23 JUL	07 MAR 91	
1972-058FJ		8392	US	23 JUL	30 MAR 80	
1972-058FK		8393	US	23 JUL	04 NOV 82	
1972-058FL		8408	US	23 JUL	16 MAR 77	
1972-058FN		8433	US	23 JUL	14 APR 79	
1972-058FP		8434	US	23 JUL	03 AUG 82	
1972-058FR		8496	US	23 JUL	31 JAN 76	
1972-058FS		8497	US	23 JUL	13 APR 81	
1972-058FT		8498	US	23 JUL	16 MAR 92	
1972-058FU		8499	US	23 JUL	03 NOV 80	
1972-058FV		8500	US	23 JUL	12 NOV 79	
1972-058FW		8501	US	23 JUL	28 JUN 79	
1972-058FX		8502	US	23 JUL	21 NOV 79	
1972-058FY		8503	US	23 JUL	26 SEP 78	
1972-058FZ		8504	US	23 JUL	21 MAR 78	
1972-058GA		8505	US	23 JUL	21 MAR 81	
1972-058GB		8506	US	23 JUL	27 JAN 83	
1972-058GC		8507	US	23 JUL	23 FEB 77	
1972-058GD		8508	US	23 JUL	29 JAN 80	
1972-058GE		8509	US	23 JUL	24 AUG 80	
1972-058GF		8532	US	23 JUL	05 AUG 80	
1972-058GH		8534	US	23 JUL	26 JUL 78	
1972-058GJ		8535	US	23 JUL	16 NOV 80	
1972-058GK		8536	US	23 JUL	16 FEB 79	
1972-058GL		8537	US	23 JUL	22 JAN 78	
					31 MAR 88	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1972-058GP		8540	US	23 JUL	02 NOV 77	
1972-058GQ		8541	US	23 JUL	07 JAN 79	
1972-058GS		8543	US	23 JUL	15 MAY 80	
1972-058GU		8545	US	23 JUL	29 JUL 88	
1972-058GV		8568	US	23 JUL	19 AUG 78	
1972-058GW		8569	US	23 JUL	15 MAR 86	
1972-058GX		8570	US	23 JUL	06 OCT 82	
1972-058GY		8571	US	23 JUL	05 MAR 81	
1972-058GZ		8572	US	23 JUL	04 JUL 80	
1972-058H		8573	US	23 JUL	25 SEP 81	
1972-058HA		8574	US	23 JUL	18 NOV 79	
1972-058HB		8575	US	23 JUL	16 JUN 79	
1972-058HC		8576	US	23 JUL	02 JAN 78	
1972-058HD		8578	US	23 JUL	06 FEB 80	
1972-058HF		8579	US	23 JUL	01 MAY 80	
1972-058HG		8580	US	23 JUL	24 JAN 81	
1972-058HJ		8581	US	23 JUL	28 NOV 79	
1972-058HK		9669	US	23 JUL	08 FEB 80	
1972-058HL		9670	US	23 JUL	24 FEB 79	
1972-058HM		9671	US	23 JUL	08 MAY 82	
1972-058HN		9672	US	23 JUL	14 MAR 80	
1972-058HP		9673	US	23 JUL	02 JUL 78	
1972-058HR		9675	US	23 JUL	16 JUN 79	
1972-058HS		9676	US	23 JUL	23 MAY 79	
1972-058HU		9728	US	23 JUL	28 JUL 81	
1972-058HV		9729	US	23 JUL	10 APR 77	
1972-058HW		9788	US	23 JUL	21 APR 77	
1972-058HX		9970	US	23 JUL	13 APR 81	
1972-058HY		9971	US	23 JUL	10 OCT 80	
1972-058HZ		9972	US	23 JUL	21 NOV 89	
1972-058JA		13933	US	23 JUL	29 JUN 79	
1972-058JB		13934	US	23 JUL	24 SEP 89	
1972-058JC		13935	US	23 JUL	05 AUG 86	
1972-058JD		14476	US	23 JUL	27 MAY 85	
1972-058JE		14874	US	23 JUL	23 APR 91	
1972-058JF		14875	US	23 JUL	05 OCT 89	
1972-058JG		14876	US	23 JUL	21 FEB 92	
1972-058JH		14877	US	23 JUL	18 DEC 86	
1972-058JJ		14878	US	23 JUL	06 FEB 92	
1972-058JK		15539	US	23 JUL	16 AUG 89	
1972-058L		7840	US	23 JUL	22 JUL 91	
1972-058M		7841	US	23 JUL	16 MAR 91	
1972-058P		7843	US	23 JUL	28 MAY 90	
1972-058Q		7844	US	23 JUL	10 NOV 88	
1972-058R		7845	US	23 JUL	27 MAR 82	
1972-058U		7848	US	23 JUL	08 JAN 88	
1972-059A	COSMOS 512	6130	USSR	23 JUL	20 JUL 89	
1972-059B		6131	USSR	28 JUL	09 AUG 72	
1972-060A	COSMOS 513	6135	USSR	01 AUG 72	15 AUG 72	
1972-060B		6136	USSR	02 AUG	09 AUG 72	
1972-060C		6137	USSR	02 AUG	06 AUG 72	
1972-060D		6143	USSR	02 AUG	20 AUG 72	
1972-060E		6144	USSR	02 AUG	24 AUG 72	
1972-060F		6147	USSR	02 AUG	18 AUG 72	
1972-061A	EXPLORER 46	6142	US	13 AUG	02 NOV 79	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1972-061B		6145	US	13 AUG	05 MAR 79	
1972-061C		6146	US	13 AUG	25 MAY 78	
1972-063A	COSMOS 515	6150	USSR	18 AUG	31 AUG 72	
1972-063B		6151	USSR	18 AUG	23 AUG 72	
1972-063C		6165	USSR	18 AUG	03 SEP 72	
1972-063D		6166	USSR	18 AUG	04 SEP 72	
1972-063E		6171	USSR	18 AUG	02 SEP 72	
1972-064A	DENPA	6152	JAPAN	19 AUG	19 MAY 80	
1972-064B		6332	JAPAN	19 AUG	28 APR 81	
1972-065C		6156	US	21 AUG	07 JAN 82	
1972-066B		6196	USSR	21 AUG	25 SEP 72	
1972-066C		6199	USSR	21 AUG	20 OCT 72	
1972-067A	COSMOS 517	6168	USSR	30 AUG	11 SEP 72	
1972-067B		6169	USSR	30 AUG	03 SEP 72	
1972-067C		6170	USSR	30 AUG	08 SEP 72	
1972-068A		6172	US	01 SEP	30 SEP 72	
1972-070A	COSMOS 518	6186	USSR	15 SEP	24 SEP 72	
1972-070B		6187	USSR	15 SEP	22 SEP 72	
1972-070C		6198	USSR	15 SEP	27 SEP 72	
1972-071A	COSMOS 519	6188	USSR	16 SEP	26 SEP 72	
1972-071B		6189	USSR	16 SEP	24 SEP 72	
1972-071C		6191	USSR	16 SEP	19 SEP 72	
1972-071D		6200	USSR	16 SEP	14 OCT 72	
1972-071E		6201	USSR	16 SEP	30 SEP 72	
1972-072B		6193	USSR	19 SEP	20 OCT 72	
1972-072C		6194	USSR	19 SEP	05 NOV 72	
1972-072D		6195	USSR	19 SEP	26 SEP 72	
1972-073B		6202	US	23 SEP	01 FEB 76	
1972-073C		6203	US	23 SEP	01 FEB 76	
1972-073D		6204	US	23 SEP	26 SEP 72	
1972-073E		6205	US	23 SEP	12 JAN 78	
1972-075A	MOLNIYA 2-3	6208	USSR	30 SEP	26 OCT 72	
1972-075B		6209	USSR	30 SEP	01 NOV 72	
1972-075C		6211	USSR	30 SEP	21 FEB 78	
1972-075D		6303	USSR	30 SEP	10 DEC 80	
1972-076E		6224	US	02 OCT	17 OCT 72	
1972-077A		6219	USSR	04 OCT	14 OCT 72	
1972-077B		6220	USSR	04 OCT	24 OCT 72	
1972-077C		6238	USSR	04 OCT	20 OCT 72	
1972-077D		6247	USSR	04 OCT	07 MAR 73	
1972-078A	COSMOS 522	6222	USSR	05 OCT	07 DEC 72	
1972-078B		6223	USSR	05 OCT	17 NOV 72	
1972-078C		6225	USSR	05 OCT	08 NOV 72	
1972-078D		6226	USSR	05 OCT	17 NOV 72	
1972-078E		6239	USSR	05 OCT	22 NOV 72	
1972-078F		6240	USSR	05 OCT	12 NOV 72	
1972-078G		6241	USSR	05 OCT	25 OCT 72	
1972-078H		6242	USSR	05 OCT	19 OCT 72	
1972-078J		6243	USSR	05 OCT	12 NOV 72	
1972-078K		6244	USSR	05 OCT	22 OCT 72	
1972-078L		6245	USSR	05 OCT	23 OCT 72	
1972-078M		6246	USSR	05 OCT	08 JAN 73	
1972-079A		6227	US	10 OCT	12 OCT 72	
1972-079B		6228	US	10 OCT	25 MAR 73	
1972-080A	COSMOS 524	6229	USSR	11 OCT	20 DEC 72	
1972-080B		6230	USSR	11 OCT		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1972-081A	MOLNIYA 1-21	6231	USSR	14 OCT	01 NOV 77	
1972-081B		6232	USSR	14 OCT	04 NOV 72	
1972-081C		6233	USSR	14 OCT	16 NOV 72	
1972-081D		6234	USSR	14 OCT	14 NOV 72	
1972-081E	COSMOS 525	6304	USSR	14 OCT	16 MAR 75	
1972-083A		6248	USSR	18 OCT	29 OCT 72	
1972-083B		6249	USSR	18 OCT	22 OCT 72	
1972-083C		6258	USSR	18 OCT	01 NOV 72	
1972-083D	COSMOS 526	6259	USSR	18 OCT	29 OCT 72	
1972-084A		6254	USSR	25 OCT	08 APR 73	
1972-084B		6255	USSR	25 OCT	08 JAN 73	
1972-086A		6260	USSR	31 OCT	13 NOV 72	
1972-086B	COSMOS 527	6261	USSR	31 OCT	08 NOV 72	
1972-086C		6263	USSR	31 OCT	03 NOV 72	
1972-086D		6280	USSR	31 OCT	15 NOV 72	
1972-086E		6281	USSR	31 OCT	18 NOV 72	
1972-086F	COSMOS 536	6284	USSR	31 OCT	18 NOV 72	
1972-088A		6272	USSR	03 NOV	20 JUL 80	
1972-088B		6273	USSR	03 NOV	19 JUL 80	
1972-088C		6274	USSR	03 NOV	19 DEC 73	
1972-088D	EXPLORER 48	6700	USSR	03 NOV	28 FEB 83	
1972-090B		6279	US	10 NOV	07 MAY 73	
1972-091A		6282	US	15 NOV	20 AUG 80	
1972-091B		6800	US	15 NOV	01 MAY 79	
1972-092A	ESRO IV	6285	ESRO	22 NOV	15 APR 74	
1972-092B		6286	US	22 NOV	09 JUL 73	
1972-093A		6287	USSR	25 NOV	07 DEC 72	
1972-093B		6288	USSR	25 NOV	02 DEC 72	
1972-094A	COSMOS 537	6291	USSR	30 NOV	02 MAR 73	
1972-094B		6292	USSR	30 NOV	12 JAN 73	
1972-094C		6293	USSR	30 NOV	02 JAN 73	
1972-095A		6294	USSR	02 DEC	11 FEB 76	
1972-095B	INTERCOSMOS 8	6295	USSR	02 DEC	10 JAN 73	
1972-095C		6296	USSR	02 DEC	02 FEB 73	
1972-095D		6297	USSR	02 DEC	12 DEC 72	
1972-095E		6298	USSR	02 DEC	11 DEC 72	
1972-095F	MOLNIYA 1-22	6322	USSR	02 DEC	25 FEB 75	
1972-096A		6300	US	07 DEC	19 DEC 72	
1972-096B		6301	US	07 DEC	10 DEC 72	
1972-096C		6307	US	07 DEC	15 DEC 72	
1972-098A	LUNAR MODULE MOLNIYA 2-4	6308	USSR	12 DEC	22 JAN 75	
1972-098B		6309	USSR	12 DEC	13 JAN 73	
1972-098C		6310	USSR	12 DEC	19 JAN 73	
1972-098D		6341	USSR	12 DEC	07 OCT 74	
1972-099A	COSMOS 538	6311	USSR	14 DEC	27 DEC 72	
1972-099B		6312	USSR	14 DEC	22 DEC 72	
1972-099C		6314	USSR	14 DEC	18 DEC 72	
1972-099D		6325	USSR	14 DEC	04 JAN 73	
1972-099E	AEROS	6331	USSR	14 DEC	04 JAN 73	
1972-100A		6315	FRG	16 DEC	22 AUG 73	
1972-100B		6316	US	16 DEC	25 FEB 73	
1972-103A		6321	US	21 DEC	23 JAN 73	
1972-105A	COSMOS 541	6326	USSR	27 DEC	08 JAN 73	
1972-105B		6327	USSR	27 DEC	12 JAN 73	
1972-105C		6336	USSR	27 DEC	11 JAN 73	
1972-105D		6337	USSR	27 DEC	09 JAN 73	

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INTER-NATIONAL DESIGNATION		DECAYED OBJECTS		LAUNCH		DECAY		NOTES
NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE					
1972-105E		6338	USSR	27 DEC		12 JAN 73		
1972-105F		6342	USSR	27 DEC		15 JAN 73		
1972-106A	COSMOS 542	6328	USSR	28 DEC		09 OCT 83		
1972-106B		6329	USSR	28 DEC		23 JUN 88		
1973 LAUNCHES								
1973-001A	LUNA 21	6333	USSR	08 JAN		15 JAN 73		R*
1973-001B		6334	USSR	08 JAN		12 JAN 73		
1973-001C		6335	USSR	08 JAN		13 JAN 73		
1973-002A	COSMOS 543	6339	USSR	11 JAN		24 JAN 73		
1973-002B		6340	USSR	11 JAN		22 JAN 73		
1973-002C		6346	USSR	11 JAN		28 JAN 73		
1973-002D		6347	USSR	11 JAN		25 JAN 73		
1973-003A	COSMOS 544	6343	USSR	20 JAN		15 JUN 80		
1973-003B		6344	USSR	20 JAN		18 MAY 80		
1973-003C		6345	USSR	20 JAN		14 OCT 75		
1973-004A	COSMOS 545	6352	USSR	20 JAN		21 MAR 75		
1973-004B		6348	USSR	24 JAN		31 JUL 73		
1973-005B		6349	USSR	24 JAN		21 APR 73		
1973-006A	COSMOS 547	6351	USSR	26 JAN		02 MAR 88		
1973-006B		6353	USSR	01 FEB		13 FEB 73		
1973-006C		6354	USSR	01 FEB		09 FEB 73		
1973-007A	MOLNIYA 1-21	6355	USSR	01 FEB		02 FEB 73		
1973-007B		6356	USSR	03 FEB		23 OCT 77		
1973-007C		6357	USSR	03 FEB		13 MAR 73		
1973-007D		6358	USSR	03 FEB		18 MAR 73		
1973-007E		6363	USSR	03 FEB		10 MAR 73		
1973-008A	COSMOS 548	6368	USSR	03 FEB		04 AUG 78		
1973-008B		6359	USSR	08 FEB		21 FEB 73		
1973-008C		6360	USSR	08 FEB		16 FEB 73		
1973-008D		6361	USSR	08 FEB		09 FEB 73		
1973-008E		6367	USSR	08 FEB		25 FEB 73		
1973-008F		6369	USSR	08 FEB		23 FEB 73		
1973-008G		6370	USSR	08 FEB		26 FEB 73		
1973-009B		6371	USSR	08 FEB		23 FEB 73		
1973-009C		6365	USSR	15 FEB		22 MAR 73		
1973-010A	COSMOS 549	6366	USSR	15 FEB		23 MAR 73		
1973-010B		6373	USSR	28 FEB		29 JUN 80		
1973-010C		6374	USSR	28 FEB		17 SEP 80		
1973-011A	COSMOS 550	6375	USSR	28 FEB		24 JUN 74		
1973-011B		6376	USSR	01 MAR		11 MAR 73		
1973-011C		6377	USSR	01 MAR		09 MAR 73		
1973-011D		6384	USSR	01 MAR		18 MAR 73		
1973-011E		6385	USSR	01 MAR		12 MAR 73		
1973-011F		6386	USSR	01 MAR		12 MAR 73		
1973-012A	COSMOS 551	6387	USSR	01 MAR		12 MAR 73		
1973-012B		6378	USSR	06 MAR		20 MAR 73		
1973-012C		6379	USSR	06 MAR		13 MAR 73		
1973-012D		6381	USSR	06 MAR		07 MAR 73		
1973-012E		6389	USSR	06 MAR		22 MAR 73		
1973-013B		6390	USSR	06 MAR		19 MAR 73		
1973-014A		6388	US	06 MAR		04 JUN 74		
1973-014B		6382	US	09 MAR		19 MAY 73		
1973-016A	COSMOS 552	6383	US	09 MAR		11 MAR 73		
		6394	USSR	22 MAR		03 APR		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1973-016B	SALYUT 2	6395	USSR	22 MAR	30 MAR 73	AU*
1973-016C		6397	USSR	22 MAR	09 APR 73	
1973-017A		6398	USSR	03 APR	28 MAY 73	
1973-017AA		6430	USSR	03 APR	12 MAY 73	
1973-017AB		6431	USSR	03 APR	17 APR 73	
1973-017B		6399	USSR	03 APR	06 APR 73	
1973-017C		6400	USSR	03 APR	10 APR 73	
1973-017D		6401	USSR	03 APR	09 APR 73	
1973-017E		6402	USSR	03 APR	12 APR 73	
1973-017F		6403	USSR	03 APR	24 APR 73	
1973-017G		6404	USSR	03 APR	30 APR 73	
1973-017H		6405	USSR	03 APR	06 APR 73	
1973-017J		6406	USSR	03 APR	26 APR 73	
1973-017K		6407	USSR	03 APR	22 APR 73	
1973-017L		6408	USSR	03 APR	08 APR 73	
1973-017M	MOLNIYA 2-5	6409	USSR	03 APR	15 APR 73	
1973-017N		6410	USSR	03 APR	06 APR 73	
1973-017P		6411	USSR	03 APR	08 APR 73	
1973-017Q		6412	USSR	03 APR	08 APR 73	
1973-017R		6413	USSR	03 APR	08 APR 73	
1973-017S		6414	USSR	03 APR	06 APR 73	
1973-017T		6415	USSR	03 APR	12 APR 73	
1973-017U		6416	USSR	03 APR	08 APR 73	
1973-017V		6417	USSR	03 APR	09 APR 73	
1973-017W		6422	USSR	03 APR	09 APR 73	
1973-017X		6423	USSR	03 APR	10 APR 73	
1973-017Y		6424	USSR	03 APR	10 APR 73	
1973-017Z		6429	USSR	03 APR	13 MAY 73	
1973-018A		6418	USSR	05 APR	06 JAN 79	
1973-018B	COSMOS 553	6419	USSR	05 APR	24 APR 73	
1973-018C		6420	USSR	05 APR	30 APR 73	
1973-018D		6439	USSR	05 APR	05 DEC 79	
1973-019C		6426	US	06 APR	04 NOV 74	
1973-020A		6427	USSR	12 APR	11 NOV 73	
1973-020B		6428	USSR	12 APR	07 AUG 73	
1973-021A		6432	USSR	19 APR	27 MAY 73	
1973-021AA		6467	USSR	19 APR	28 MAY 73	
1973-021AB		6468	USSR	19 APR	06 JUL 73	
1973-021AC		6469	USSR	19 APR	29 JAN 74	
1973-021AD		6470	USSR	19 APR	03 JUL 73	
1973-021AE		6471	USSR	19 APR	29 NOV 73	
1973-021AF		6472	USSR	19 APR	22 MAY 73	
1973-021AG		6473	USSR	19 APR	30 MAY 73	
1973-021AH		6474	USSR	19 APR	17 MAY 73	
1973-021AJ	COSMOS 554	6475	USSR	19 APR	01 JUN 73	
1973-021AK		6476	USSR	19 APR	19 MAY 73	
1973-021AL		6477	USSR	19 APR	16 MAY 73	
1973-021AM		6478	USSR	19 APR	13 MAY 73	
1973-021AN		6479	USSR	19 APR	27 MAY 73	
1973-021AP		6480	USSR	19 APR	15 MAY 73	
1973-021AQ		6481	USSR	19 APR	18 MAY 73	
1973-021AR		6482	USSR	19 APR	19 MAY 73	
1973-021AS		6483	USSR	19 APR	15 MAY 73	
1973-021AT		6484	USSR	19 APR	08 JUN 73	
1973-021AU		6485	USSR	19 APR	19 MAY 73	
1973-021AV		6486	USSR	19 APR	19 MAY 73	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1973-021AW		6487		USSR	19 APR	18 MAY 73	
1973-021AX		6488		USSR	19 APR	21 MAY 73	
1973-021AY		6489		USSR	19 APR	13 JUN 73	
1973-021AZ		6490		USSR	19 APR	14 AUG 73	
1973-021B		6491		USSR	19 APR	26 APR 73	
1973-021BA		6492		USSR	19 APR	14 JUL 73	
1973-021BB		6493		USSR	19 APR	30 MAY 73	
1973-021BC		6494		USSR	19 APR	07 JUL 73	
1973-021BD		6495		USSR	19 APR	27 MAY 73	
1973-021BE		6496		USSR	19 APR	25 MAY 73	
1973-021BF		6497		USSR	19 APR	09 JUN 73	
1973-021BG		6498		USSR	19 APR	27 MAY 73	
1973-021BH		6500		USSR	19 APR	27 MAY 73	
1973-021BJ		6501		USSR	19 APR	25 JUN 73	
1973-021BK		6502		USSR	19 APR	02 JAN 74	
1973-021BL		6503		USSR	19 APR	01 JUL 73	
1973-021BM		6504		USSR	19 APR	18 MAY 73	
1973-021BN		6505		USSR	19 APR	21 MAY 73	
1973-021BP		6506		USSR	19 APR	17 MAY 73	
1973-021BQ		6507		USSR	19 APR	15 MAY 73	
1973-021BR		6508		USSR	19 APR	19 MAY 73	
1973-021BS		6509		USSR	19 APR	18 JUN 73	
1973-021BT		6510		USSR	19 APR	06 JUN 73	
1973-021BU		6511		USSR	19 APR	12 AUG 73	
1973-021BV		6512		USSR	19 APR	26 MAY 73	
1973-021BW		6513		USSR	19 APR	26 MAY 73	
1973-021BX		6514		USSR	19 APR	18 MAY 73	
1973-021BY		6515		USSR	19 APR	28 MAY 73	
1973-021BZ		6516		USSR	19 APR	25 APR 73	
1973-021C		6436		USSR	19 APR	26 MAY 73	
1973-021CA		6517		USSR	19 APR	23 MAY 73	
1973-021CB		6518		USSR	19 APR	03 JUL 73	
1973-021CC		6519		USSR	19 APR	25 MAY 73	
1973-021CD		6520		USSR	19 APR	06 JUN 73	
1973-021CE		6521		USSR	19 APR	25 MAY 73	
1973-021CF		6522		USSR	19 APR	22 MAY 73	
1973-021CG		6523		USSR	19 APR	09 JUN 73	
1973-021CH		6524		USSR	19 APR	16 SEP 73	
1973-021CJ		6525		USSR	19 APR	26 MAY 73	
1973-021CK		6526		USSR	19 APR	26 MAY 73	
1973-021CL		6527		USSR	19 APR	25 MAY 73	
1973-021CM		6528		USSR	19 APR	02 JUN 73	
1973-021CN		6529		USSR	19 APR	25 JUN 73	
1973-021CP		6530		USSR	19 APR	17 MAY 73	
1973-021CQ		6531		USSR	19 APR	22 MAY 73	
1973-021CR		6532		USSR	19 APR	26 MAY 73	
1973-021CS		6533		USSR	19 APR	30 JUN 73	
1973-021CT		6534		USSR	19 APR	22 MAY 73	
1973-021CU		6535		USSR	19 APR	22 MAY 73	
1973-021CV		6536		USSR	19 APR	30 JUN 73	
1973-021CW		6537		USSR	19 APR	22 MAY 73	
1973-021CX		6538		USSR	19 APR	25 MAY 73	
1973-021CY		6539		USSR	19 APR	24 MAY 73	
1973-021CZ		6540		USSR	19 APR	31 DEC 73	
1973-021D		6442		USSR	19 APR	30 APR 73	
1973-021DA		6541		USSR	19 APR	27 MAY 73	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1973-021DB		6542		USSR	19 APR	07 MAY 73	
1973-021DC		6543		USSR	19 APR	07 MAY 73	
1973-021DD		6544		USSR	19 APR	07 MAY 73	
1973-021DE		6545		USSR	19 APR	07 MAY 73	
1973-021DF		6546		USSR	19 APR	07 MAY 73	
1973-021DG		6547		USSR	19 APR	07 MAY 73	
1973-021DH		6548		USSR	19 APR	07 MAY 73	
1973-021DJ		6549		USSR	19 APR	07 MAY 73	
1973-021DK		6550		USSR	19 APR	07 MAY 73	
1973-021DL		6551		USSR	19 APR	07 MAY 73	
1973-021DM		6552		USSR	19 APR	07 MAY 73	
1973-021DN		6553		USSR	19 APR	07 MAY 73	
1973-021DP		6554		USSR	19 APR	07 MAY 73	
1973-021DQ		6555		USSR	19 APR	07 MAY 73	
1973-021DR		6556		USSR	19 APR	07 MAY 73	
1973-021DS		6557		USSR	19 APR	07 MAY 73	
1973-021DT		6558		USSR	19 APR	07 MAY 73	
1973-021DU		6559		USSR	19 APR	07 MAY 73	
1973-021DV		6560		USSR	19 APR	07 MAY 73	
1973-021DW		6561		USSR	19 APR	07 MAY 73	
1973-021DX		6562		USSR	19 APR	07 MAY 73	
1973-021DY		6563		USSR	19 APR	07 MAY 73	
1973-021DZ		6564		USSR	19 APR	07 MAY 73	
1973-021E		6443		USSR	19 APR	01 MAY 73	
1973-021EA		6565		USSR	19 APR	07 MAY 73	
1973-021EB		6566		USSR	19 APR	07 MAY 73	
1973-021EC		6567		USSR	19 APR	07 MAY 73	
1973-021ED		6568		USSR	19 APR	07 MAY 73	
1973-021EE		6569		USSR	19 APR	07 MAY 73	
1973-021EF		6570		USSR	19 APR	07 MAY 73	
1973-021EG		6571		USSR	19 APR	07 MAY 73	
1973-021EH		6572		USSR	19 APR	07 MAY 73	
1973-021EJ		6573		USSR	19 APR	07 MAY 73	
1973-021EK		6574		USSR	19 APR	07 MAY 73	
1973-021EL		6575		USSR	19 APR	07 MAY 73	
1973-021EM		6576		USSR	19 APR	07 MAY 73	
1973-021EN		6577		USSR	19 APR	07 MAY 73	
1973-021EP		6578		USSR	19 APR	07 MAY 73	
1973-021EQ		6579		USSR	19 APR	07 MAY 73	
1973-021ER		6580		USSR	19 APR	07 MAY 73	
1973-021ES		6581		USSR	19 APR	07 MAY 73	
1973-021ET		6582		USSR	19 APR	07 MAY 73	
1973-021EU		6583		USSR	19 APR	07 MAY 73	
1973-021EV		6584		USSR	19 APR	07 MAY 73	
1973-021EW		6585		USSR	19 APR	07 MAY 73	
1973-021EX		6586		USSR	19 APR	07 MAY 73	
1973-021EY		6587		USSR	19 APR	07 MAY 73	
1973-021EZ		6588		USSR	19 APR	07 MAY 73	
1973-021F		6448		USSR	19 APR	24 JUN 73	
1973-021FA		6589		USSR	19 APR	07 MAY 73	
1973-021FB		6590		USSR	19 APR	07 MAY 73	
1973-021FC		6591		USSR	19 APR	07 MAY 73	
1973-021FD		6592		USSR	19 APR	07 MAY 73	
1973-021FE		6593		USSR	19 APR	07 MAY 73	
1973-021FF		6594		USSR	19 APR	07 MAY 73	
1973-021FG		6595		USSR	19 APR	07 MAY 73	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1973-021FH		6596		USSR	19 APR	07 MAY 73	
1973-021FJ		6597		USSR	19 APR	07 MAY 73	
1973-021FK		6598		USSR	19 APR	07 MAY 73	
1973-021FL		6599		USSR	19 APR	07 MAY 73	
1973-021FM		6600		USSR	19 APR	07 MAY 73	
1973-021FN		6601		USSR	19 APR	07 MAY 73	
1973-021FP		6602		USSR	19 APR	07 MAY 73	
1973-021FQ		6603		USSR	19 APR	07 MAY 73	
1973-021FR		6604		USSR	19 APR	07 MAY 73	
1973-021FS		6605		USSR	19 APR	07 MAY 73	
1973-021FT		6606		USSR	19 APR	07 MAY 73	
1973-021FU		6607		USSR	19 APR	07 MAY 73	
1973-021FV		6608		USSR	19 APR	07 MAY 73	
1973-021FW		6609		USSR	19 APR	07 MAY 73	
1973-021FX		6610		USSR	19 APR	07 MAY 73	
1973-021FY		6611		USSR	19 APR	07 MAY 73	
1973-021FZ		6612		USSR	19 APR	07 MAY 73	
1973-021G		6449		USSR	19 APR	07 MAY 73	
1973-021GA		6613		USSR	19 APR	21 MAY 73	
1973-021GB		6614		USSR	19 APR	07 MAY 73	
1973-021GC		6615		USSR	19 APR	07 MAY 73	
1973-021GD		6616		USSR	19 APR	07 MAY 73	
1973-021GE		6617		USSR	19 APR	07 MAY 73	
1973-021GF		6618		USSR	19 APR	07 MAY 73	
1973-021GG		6619		USSR	19 APR	07 MAY 73	
1973-021GH		6620		USSR	19 APR	07 MAY 73	
1973-021GJ		6621		USSR	19 APR	07 MAY 73	
1973-021GK		6622		USSR	19 APR	07 MAY 73	
1973-021GL		6623		USSR	19 APR	07 MAY 73	
1973-021GM		6624		USSR	19 APR	07 MAY 73	
1973-021GN		6625		USSR	19 APR	07 MAY 73	
1973-021GP		6626		USSR	19 APR	07 MAY 73	
1973-021GQ		6627		USSR	19 APR	07 MAY 73	
1973-021GR		6628		USSR	19 APR	07 MAY 73	
1973-021GS		6629		USSR	19 APR	07 MAY 73	
1973-021GT		6669		USSR	19 APR	23 SEP 73	
1973-021GU		6670		USSR	19 APR	26 JUN 73	
1973-021GV		6671		USSR	19 APR	23 AUG 73	
1973-021GW		6672		USSR	19 APR	25 JUN 73	
1973-021GX		6673		USSR	19 APR	19 JUN 73	
1973-021GY		6692		USSR	19 APR	15 JUN 73	
1973-021GZ		6693		USSR	19 APR	24 JUN 73	
1973-021H		6450		USSR	19 APR	16 MAY 73	
1973-021HA		6737		USSR	19 APR	02 SEP 73	
1973-021HB		6738		USSR	19 APR	14 OCT 73	
1973-021HC		6739		USSR	19 APR	02 SEP 73	
1973-021HD		6740		USSR	19 APR	20 SEP 73	
1973-021HE		6785		USSR	19 APR	18 NOV 73	
1973-021J		6451		USSR	19 APR	24 MAY 73	
1973-021K		6452		USSR	19 APR	16 MAY 73	
1973-021L		6453		USSR	19 APR	20 MAY 73	
1973-021M		6454		USSR	19 APR	27 MAY 73	
1973-021N		6455		USSR	19 APR	12 MAY 73	
1973-021P		6456		USSR	19 APR	17 MAY 73	
1973-021Q		6457		USSR	19 APR	16 MAY 73	
1973-021R		6458		USSR	19 APR	09 JUN 73	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1973-021S		6459	USSR	19 APR	16 MAY 73	
1973-021T		6460	USSR	19 APR	12 MAY 73	
1973-021U		6461	USSR	19 APR	20 MAY 73	
1973-021V		6462	USSR	19 APR	12 MAY 73	
1973-021W		6463	USSR	19 APR	21 MAY 73	
1973-021X		6464	USSR	19 APR	18 MAY 73	
1973-021Y		6465	USSR	19 APR	27 MAY 73	
1973-021Z		6466	USSR	19 APR	04 JUN 73	
1973-022A		6433	USSR	19 APR	15 OCT 73	
1973-022B	INTERCOSMOS 9	6435	USSR	19 APR	17 OCT 73	
1973-022B	COPERNICUS 500	6438	US	20 APR	18 OCT 75	
1973-023B		6440	USSR	25 APR	07 MAY 73	
1973-024A	COSMOS 555	6441	USSR	25 APR	28 APR 73	
1973-024B		6444	USSR	25 APR	06 MAY 73	
1973-024C		6445	USSR	25 APR	09 MAY 73	
1973-024D		6446	USSR	05 MAY	14 MAY 73	
1973-025A	COSMOS 556	6447	USSR	05 MAY	08 MAY 73	
1973-025B		6630	USSR	05 MAY	24 MAY 73	
1973-025C		6631	USSR	05 MAY	15 MAY 73	
1973-025D		6632	USSR	05 MAY	17 MAY 73	
1973-025E		6633	USSR	11 MAY	22 MAY 73	
1973-026A	COSMOS 557	6498	USSR	11 MAY	17 MAY 73	
1973-026B		6499	USSR	11 MAY	17 MAY 73	
1973-027A	SKYLAB 1	6633	US	14 MAY	11 JUL 79	
1973-027B		6634	US	14 MAY	11 JAN 75	
1973-027C		6635	US	14 MAY	10 SEP 73	
1973-027D		6636	US	14 MAY	25 JUN 73	
1973-027E		6637	US	14 MAY	05 AUG 75	
1973-027F		6638	US	14 MAY	03 APR 75	
1973-027G		6639	US	14 MAY	04 OCT 73	
1973-027H		6641	US	14 MAY	01 NOV 76	
1973-027J		6642	US	14 MAY	19 JAN 74	
1973-027K		6643	US	14 MAY	10 FEB 75	
1973-027L		6644	US	14 MAY	01 NOV 73	
1973-027M		6651	US	14 MAY	12 JUN 75	
1973-027N		6704	US	14 MAY	13 APR 74	
1973-027P		6705	US	14 MAY	24 SEP 73	
1973-027Q		6729	US	14 MAY	16 OCT 73	
1973-027R		6730	US	14 MAY	14 SEP 73	
1973-027S		6733	US	14 MAY	23 OCT 74	
1973-027T		6735	US	14 MAY	20 AUG 75	
1973-027U		6734	US	14 MAY	15 FEB 74	
1973-027V		6774	US	14 MAY	20 SEP 73	
1973-027W		6780	US	14 MAY	12 DEC 74	
1973-027X		6781	US	14 MAY	08 NOV 74	
1973-027Y		6782	US	14 MAY	17 JUL 74	
1973-027Z		6786	US	14 MAY	16 JAN 75	
1973-028A		6640	US	16 MAY	13 JUN 73	
1973-029A	COSMOS 558	6645	USSR	17 MAY	22 DEC 73	
1973-029B		6646	USSR	17 MAY	10 SEP 73	
1973-030A	COSMOS 559	6647	USSR	18 MAY	23 MAY 73	
1973-030B		6648	USSR	18 MAY	28 MAY 73	
1973-030C		6649	USSR	18 MAY	29 MAY 73	
1973-030D		6650	USSR	18 MAY	12 JUN 73	
1973-031A	COSMOS 560	6652	USSR	23 MAY	05 JUN 73	
1973-031B		6653	USSR	23 MAY	01 JUN 73	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1973-031C		6654	USSR	23 MAY	01 JUN 73	
1973-031D		6663	USSR	23 MAY	12 JUN 73	
1973-031E		6664	USSR	23 MAY	06 JUN 73	
1973-032A	SKYLAB 2	6655	US	25 MAY	22 JUN 73	F*
1973-032B		6656	US	25 MAY	25 MAY 73	
1973-033A	COSMOS 561	6657	USSR	25 MAY	06 JUN 73	
1973-033B		6658	USSR	25 MAY	02 JUN 73	
1973-033C		6661	USSR	25 MAY	07 JUN 73	
1973-033D		6662	USSR	25 MAY	20 JUN 73	
1973-035A	COSMOS 562	6665	USSR	05 JUN	07 JAN 74	
1973-035B		6666	USSR	05 JUN	29 SEP 73	
1973-036A	COSMOS 563	6667	USSR	06 JUN	18 JUN 73	
1973-036B		6668	USSR	06 JUN	13 JUN 73	
1973-036C		6674	USSR	06 JUN	15 JUN 73	
1973-036D		6703	USSR	06 JUN	25 JUN 73	
1973-036E		6706	USSR	06 JUN	23 JUN 73	
1973-038A	COSMOS 572	6684	USSR	10 JUN	23 JUN 73	
1973-038B		6685	USSR	10 JUN	16 JUN 73	
1973-038C		6711	USSR	10 JUN	26 JUN 73	
1973-038D		6712	USSR	10 JUN	23 JUN 73	
1973-039B		6687	US	10 JUN	01 JUL 78	
1973-039C		6688	US	10 JUN	29 JAN 74	
1973-039E		6690	US	10 JUN	19 SEP 73	
1973-039H		6773	US	10 JUN	27 SEP 73	
1973-041A	COSMOS 573	6694	USSR	15 JUN	17 JUN 73	
1973-041B		6695	USSR	15 JUN	21 JUN 73	
1973-041C		6702	USSR	15 JUN	21 JUN 73	
1973-043A	COSMOS 575	6709	USSR	21 JUN	03 JUL 73	
1973-043B		6710	USSR	21 JUN	27 JUN 73	
1973-044A	COSMOS 576	6713	USSR	27 JUN	09 JUL 73	
1973-044B		6714	USSR	27 JUN	07 JUL 73	
1973-044C		6715	USSR	27 JUN	30 JUN 73	
1973-044D		6716	USSR	27 JUN	30 JUN 73	
1973-044E		6717	USSR	27 JUN	29 JUN 73	
1973-044F		6719	USSR	27 JUN	11 JUL 73	
1973-044G		6720	USSR	27 JUN	11 JUL 73	
1973-044H		6721	USSR	27 JUN	14 JUL 73	
1973-045A	MOLNIYA 2-6	6722	USSR	11 JUL	05 AUG 78	
1973-045B		6723	USSR	11 JUL	22 AUG 73	
1973-045C		6724	USSR	11 JUL	03 AUG 73	
1973-045D		6741	USSR	11 JUL	19 SEP 78	
1973-046A		6727	US	13 JUL	12 OCT 73	
1973-046B		6728	US	13 JUL	15 JUL 73	
1973-047B		6743	USSR	21 JUL	23 JUL 73	
1973-047C		6744	USSR	21 JUL	26 JUL 73	
1973-048A	COSMOS 577	6745	USSR	25 JUL	07 AUG 73	
1973-048B		6753	USSR	25 JUL	01 AUG 73	
1973-048C		6770	USSR	25 JUL	12 AUG 73	
1973-048D		6772	USSR	25 JUL	09 AUG 73	
1973-048E		6775	USSR	25 JUL	27 JUL 73	
1973-049B		6756	USSR	25 JUL	27 JUL 73	
1973-049C		6757	US	28 JUL	25 SEP 73	
1973-050A	SKYLAB 3	6757	US	28 JUL	28 JUL 73	F*
1973-050B		6758	US	01 AUG	28 JUL 73	
1973-051A	COSMOS 578	6759	USSR	01 AUG	13 AUG 73	
1973-051B		6760	USSR	01 AUG	09 AUG 73	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1973-051C		6761	USSR	01 AUG	05 AUG 73	
1973-051D		6762	USSR	01 AUG	02 AUG 73	
1973-051E		6763	USSR	01 AUG	02 AUG 73	
1973-052B		6769	USSR	05 AUG	07 AUG 73	
1973-052C		6771	USSR	05 AUG	07 AUG 73	
1973-052D		7223	USSR	05 AUG	12 MAR 74	
1973-053B		6777	USSR	09 AUG	11 AUG 73	
1973-053C		6778	USSR	09 AUG	11 AUG 73	
1973-055A		6789	USSR	21 AUG	03 SEP 73	
1973-055B		6790	USSR	21 AUG	28 AUG 73	
1973-055C		6795	USSR	21 AUG	25 AUG 73	
1973-055D		6813	USSR	21 AUG	05 SEP 73	
1973-055E		6814	USSR	21 AUG	04 SEP 73	
1973-057A		6793	USSR	22 AUG	01 APR 74	
1973-057B		6794	USSR	22 AUG	30 NOV 73	
1973-059A		6798	USSR	24 AUG	06 SEP 73	
1973-059B		6799	USSR	24 AUG	31 AUG 73	
1973-059C		6801	USSR	24 AUG	25 AUG 73	
1973-059D		6816	USSR	24 AUG	06 SEP 73	
1973-059E		6817	USSR	24 AUG	09 SEP 73	
1973-060A		6802	USSR	28 AUG	05 SEP 80	
1973-060B		6803	USSR	28 AUG	01 JAN 81	
1973-060C		6804	USSR	28 AUG	20 JUN 82	
1973-060D		6998	USSR	28 AUG	05 MAR 75	
1973-060E		6999	USSR	28 AUG	07 NOV 74	
1973-061A		6805	USSR	30 AUG	05 DEC 79	
1973-061B		6806	USSR	30 AUG	01 OCT 73	
1973-061C		6807	USSR	30 AUG	08 OCT 73	
1973-061D		6808	USSR	30 AUG	06 SEP 73	
1973-061E		6812	USSR	30 AUG	07 SEP 73	
1973-061F		6815	USSR	30 AUG	05 DEC 79	
1973-062A		6809	USSR	30 AUG	12 SEP 73	
1973-062B		6810	USSR	30 AUG	06 SEP 73	
1973-062C		6811	USSR	30 AUG	03 SEP 73	
1973-063A		6818	USSR	06 SEP	20 SEP 73	
1973-063B		6819	USSR	06 SEP	17 SEP 73	
1973-063C		6820	USSR	06 SEP	09 SEP 73	
1973-063D		6821	USSR	06 SEP	07 SEP 73	
1973-063E		6830	USSR	06 SEP	28 SEP 73	
1973-063F		6831	USSR	06 SEP	25 SEP 73	
1973-063G		6835	USSR	06 SEP	25 SEP 73	
1973-064C		6827	USSR	08 SEP	12 DEC 73	
1973-066A		6832	USSR	21 SEP	04 OCT 73	
1973-066B		6833	USSR	21 SEP	28 SEP 73	
1973-066C		6834	USSR	21 SEP	23 SEP 73	
1973-066D		6854	USSR	21 SEP	08 OCT 73	
1973-066E		6855	USSR	21 SEP	28 SEP 73	
1973-067A		6836	USSR	27 SEP	04 OCT 73	
1973-067B		6838	USSR	27 SEP	29 SEP 73	
1973-067C		6839	USSR	27 SEP	29 SEP 73	
1973-067D		6840	USSR	27 SEP	21 JAN 74	
1973-068A		6837	US	27 SEP	03 NOV 73	
1973-070A		6856	USSR	03 OCT	29 OCT 73	
1973-070B		6857	USSR	03 OCT	09 OCT 73	
1973-070C		6861	USSR	03 OCT	17 OCT 73	
1973-071A		6858	USSR	06 OCT	12 OCT 73	
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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1973-071B		6859	USSR	06 OCT	14 OCT 73	
1973-071C		6860	USSR	06 OCT	08 OCT 73	
1973-071D		6865	USSR	06 OCT	16 OCT 73	
1973-071E		6866	USSR	06 OCT	18 OCT 73	
1973-072A	COSMOS 598	6862	USSR	10 OCT	16 OCT 73	
1973-072B		6863	USSR	10 OCT	21 OCT 73	
1973-072C		6864	USSR	10 OCT	11 OCT 73	
1973-072D		6871	USSR	10 OCT	20 OCT 73	
1973-072E		6872	USSR	10 OCT	18 OCT 73	
1973-073A	COSMOS 599	6867	USSR	15 OCT	28 OCT 73	
1973-073B		6868	USSR	15 OCT	21 OCT 73	
1973-073C		6869	USSR	15 OCT	24 OCT 73	
1973-073D		6870	USSR	15 OCT	24 OCT 73	
1973-074A	COSMOS 600	6873	USSR	16 OCT	23 OCT 73	
1973-074B		6874	USSR	16 OCT	28 OCT 73	
1973-074C		6887	USSR	16 OCT	24 OCT 73	
1973-074D		6888	USSR	16 OCT	28 OCT 73	
1973-074E		6899	USSR	16 OCT	29 OCT 73	
1973-075A	COSMOS 601	6875	USSR	16 OCT	15 AUG 74	
1973-075B		6876	USSR	16 OCT	06 NOV 73	
1973-075C		6880	USSR	16 OCT	28 MAR 74	
1973-075D		6881	USSR	16 OCT	04 DEC 73	
1973-075E		6882	USSR	16 OCT	07 FEB 74	
1973-075F		6883	USSR	16 OCT	04 DEC 73	
1973-075G		6884	USSR	16 OCT	21 FEB 74	
1973-075H		6889	USSR	16 OCT	04 FEB 74	
1973-075J		6890	USSR	16 OCT	04 DEC 73	
1973-075K		6891	USSR	16 OCT	01 MAR 74	
1973-075L		6892	USSR	16 OCT	04 DEC 73	
1973-075M		6897	USSR	16 OCT	18 JAN 74	
1973-075N		6922	USSR	16 OCT	19 NOV 73	
1973-075P		6923	USSR	16 OCT	04 DEC 73	
1973-076A	MOLNIYA 2-7	6877	USSR	19 OCT	08 JUL 83	
1973-076B		6878	USSR	19 OCT	03 DEC 73	
1973-076C		6879	USSR	19 OCT	18 DEC 73	
1973-076D		6898	USSR	19 OCT	22 JUN 83	
1973-077A		6885	USSR	20 OCT	29 OCT 73	
1973-077B	COSMOS 602	6886	USSR	20 OCT	31 OCT 73	
1973-077C		6905	USSR	20 OCT	31 OCT 73	
1973-077D		6906	USSR	20 OCT	01 NOV 73	
1973-078B		6894	US	26 OCT	29 OCT 73	
1973-078E		6902	US	26 OCT	27 OCT 73	
1973-079A	COSMOS 603	6900	USSR	26 OCT	27 OCT 73	
1973-079B		6901	USSR	27 OCT	09 NOV 73	
1973-079C		6903	USSR	27 OCT	09 NOV 73	
1973-079D		6904	USSR	27 OCT	29 OCT 73	
1973-079E		6924	USSR	27 OCT	29 OCT 73	
1973-079F		6925	USSR	27 OCT	10 NOV 73	
1973-080A	COSMOS 604	6907	USSR	27 OCT	13 NOV 73	
1973-080B		6908	USSR	29 OCT	19 JAN 92	
1973-082A	INTERCOSMOS 10	6911	USSR	29 OCT	30 SEP 92	
1973-082B		6912	USSR	30 OCT	01 JUL 77	
1973-082C		6915	USSR	30 OCT	08 OCT 77	
1973-083A	COSMOS 605	6913	USSR	30 OCT	07 DEC 73	
1973-083B		6914	USSR	31 OCT	22 NOV 73	
1973-083C		6947	USSR	31 OCT	28 NOV 73	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1973-083D		6948	USSR	31 OCT	05 DEC 73	
1973-083E		6949	USSR	31 OCT	09 JAN 74	
1973-083F		6956	USSR	31 OCT	30 DEC 73	
1973-084B		6917	USSR	02 NOV	06 JAN 74	
1973-084C		6918	USSR	02 NOV	29 JAN 74	
1973-086BE		7062	US	06 NOV	10 SEP 82	
1973-086BK		7067	US	06 NOV	26 SEP 82	
1973-086BN		7070	US	06 NOV	04 NOV 81	
1973-086BV		7077	US	06 NOV	02 APR 87	
1973-086CJ		7090	US	06 NOV	27 JAN 82	
1973-086CP		7125	US	06 NOV	26 JAN 91	
1973-086DJ		7144	US	06 NOV	15 FEB 83	
1973-086DX		7159	US	06 NOV	13 MAY 81	
1973-086FF		7197	US	06 NOV	09 JUN 80	
1973-086FH		7199	US	06 NOV	17 JUL 74	
1973-086FK		7201	US	06 NOV	17 NOV 79	
1973-086FN		7204	US	06 NOV	13 DEC 77	
1973-086FP		7205	US	06 NOV	14 DEC 76	
1973-086FQ		7206	US	06 NOV	06 OCT 74	
1973-086FR		7207	US	06 NOV	13 MAY 74	
1973-086FS		7208	US	06 NOV	22 DEC 78	
1973-086FY		9700	US	06 NOV	25 OCT 79	
1973-087A	COSMOS 607	6926	USSR	10 NOV	22 NOV 73	
1973-087B		6927	USSR	10 NOV	23 NOV 73	
1973-087C		6930	USSR	10 NOV	15 NOV 73	
1973-087D		6945	USSR	10 NOV	28 NOV 73	
1973-087E		6946	USSR	10 NOV	23 NOV 73	
1973-088A		6928	US	10 NOV	13 MAR 74	
1973-088B		6929	US	10 NOV	13 NOV 73	
1973-088C		6931	US	10 NOV	26 DEC 78	
1973-089A	MOLNIYA 1-25	6932	USSR	14 NOV	26 MAY 79	
1973-089B		6933	USSR	14 NOV	02 JAN 74	
1973-089C		6934	USSR	14 NOV	26 NOV 73	
1973-089D		6935	USSR	14 NOV	26 JAN 74	
1973-089E		6940	USSR	14 NOV	20 AUG 79	
1973-090A	SKYLAB 4	6936	US	16 NOV	08 FEB 74	
1973-090B		6937	US	16 NOV	16 NOV 73	
1973-091A	COSMOS 608	6941	USSR	20 NOV	10 JUL 74	
1973-091B		6942	USSR	20 NOV	23 MAR 74	
1973-092A	COSMOS 609	6943	USSR	21 NOV	04 DEC 73	
1973-092B		6944	USSR	21 NOV	04 DEC 73	
1973-092C		6963	USSR	21 NOV	06 DEC 73	
1973-092D		6964	USSR	21 NOV	05 DEC 73	
1973-093A	COSMOS 610	6950	USSR	27 NOV	15 SEP 80	
1973-093B		6951	USSR	27 NOV	06 NOV 80	
1973-093C		6962	USSR	27 NOV	29 JUN 75	
1973-094A	COSMOS 611	6952	USSR	28 NOV	19 JUN 74	
1973-094B	COSMOS 612	6955	USSR	28 NOV	26 MAR 74	
1973-095A		6953	USSR	28 NOV	11 DEC 73	
1973-095B		6954	USSR	28 NOV	12 DEC 73	
1973-095C		6968	USSR	28 NOV	16 DEC 73	
1973-095D		6969	USSR	28 NOV	12 DEC 73	
1973-095E		6970	USSR	28 NOV	11 DEC 73	
1973-096A	COSMOS 613	6957	USSR	30 NOV	29 JAN 74	
1973-096B		6960	USSR	30 NOV	04 DEC 73	
1973-096C		7103	USSR	30 NOV	09 MAR 74	

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NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1973-097A	MOLNIYA 1-26	6958	USSR	30 NOV	09 JUN 85	
1973-097B		6959	USSR	30 NOV	30 DEC 73	
1973-097C		6961	USSR	30 NOV	31 DEC 73	
1973-097D		7178	USSR	30 NOV	17 APR 86	
1973-099A	COSMOS 615	6971	USSR	13 DEC	17 DEC 75	
1973-099B		6972	USSR	13 DEC	24 JAN 75	
1973-100C		6975	US	13 DEC	17 DEC 73	
1973-101A		6977	US	16 DEC	12 DEC 78	
1973-101B	EXPLORER 51	6978	US	16 DEC	14 AUG 74	
1973-102A		6979	USSR	17 DEC	28 DEC 73	
1973-102B		6980	USSR	17 DEC	31 DEC 73	
1973-102C		6981	USSR	17 DEC	14 JAN 74	
1973-102D	COSMOS 616	6994	USSR	17 DEC	02 JAN 74	
1973-102E		7006	USSR	17 DEC	02 JAN 74	
1973-102F		7007	USSR	17 DEC	02 JAN 74	
1973-103A		6982	USSR	18 DEC	26 DEC 73	
1973-103B	SOYUZ 13	6983	USSR	18 DEC	22 DEC 73	
1973-103C		6984	USSR	18 DEC	14 JAN 74	
1973-105A		6995	USSR	21 DEC	03 JAN 74	
1973-105B		6996	USSR	21 DEC	01 JAN 74	
1973-105C	COSMOS 625	6997	USSR	21 DEC	22 DEC 73	
1973-105D		7010	USSR	21 DEC	02 JAN 74	
1973-105E		7011	USSR	21 DEC	06 JAN 74	
1973-106A		7000	USSR	25 DEC	24 NOV 84	
1973-106B	MOLNIYA 2-8	7001	USSR	25 DEC	24 JAN 74	
1973-106C		7002	USSR	25 DEC	17 JAN 74	
1973-106D		7372	USSR	25 DEC	24 MAY 85	
1973-108B		7113	USSR	27 DEC	17 FEB 74	
1973-108C		7114	USSR	27 DEC	23 FEB 74	
1973-108D		7115	USSR	27 DEC	22 MAR 74	
1973-108E		7116	USSR	27 DEC	16 FEB 74	
1974 LAUNCHES						
1974-002A	SKYNET 2A	7096	UK	19 JAN	25 JAN 74	
1974-002B		7097	US	19 JAN	20 JAN 74	
1974-002C		7098	US	19 JAN	23 JAN 74	
1974-002D		7099	US	19 JAN	23 JAN 74	
1974-003A	COSMOS 629	7100	USSR	24 JAN	05 FEB 74	
1974-003B		7101	USSR	24 JAN	01 FEB 74	
1974-003C		7102	USSR	24 JAN	26 JAN 74	
1974-003D		7108	USSR	24 JAN	09 FEB 74	
1974-004A	COSMOS 630	7104	USSR	30 JAN	13 FEB 74	
1974-004B		7105	USSR	30 JAN	14 FEB 74	
1974-004C		7106	USSR	30 JAN	06 FEB 74	
1974-004D		7107	USSR	30 JAN	05 FEB 74	
1974-004E	COSMOS 631	7119	USSR	30 JAN	14 FEB 74	
1974-004F		7120	USSR	30 JAN	16 FEB 74	
1974-005A		7109	USSR	06 FEB	03 OCT 80	
1974-005B		7110	USSR	06 FEB	07 DEC 80	
1974-005C	COSMOS 632	7111	USSR	06 FEB	02 JUL 78	
1974-005D		7112	USSR	06 FEB	11 OCT 75	
1974-005E		7257	USSR	06 FEB	11 JAN 78	
1974-006A		7117	USSR	12 FEB	26 FEB 74	
1974-006B		7118	USSR	12 FEB	17 FEB 74	
1974-006C		7171	USSR	12 FEB	27 FEB 74	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS		LAUNCH	DECAY	NOTES
			SOURCE				
1974-006D		7172	USSR		12 FEB	02 MAR 74	
1974-006E		7189	USSR		12 FEB	10 MAR 74	
1974-007A		7121	US		13 FEB	17 MAR 74	
1974-008A	TANSEI 2	7122	JAPAN		16 FEB	22 JAN 83	
1974-008B		7123	JAPAN		16 FEB	21 JAN 83	
1974-009A	SAN MARCO 4	7154	ITALY		18 FEB	04 MAY 76	
1974-009B		7157	US		18 FEB	09 JUN 74	
1974-010A	COSMOS 633	7187	USSR		27 FEB	04 OCT 74	
1974-010B		7188	USSR		27 FEB	11 JUN 74	
1974-012A		7211	USSR		05 MAR	09 OCT 74	
1974-012B	COSMOS 634	7212	USSR		05 MAR	17 JUN 74	
1974-012C		7290	USSR		05 MAR	10 SEP 74	
1974-013C		7215	UK		09 MAR	05 APR 84	
1974-013D		7214	UK		09 MAR	04 MAY 83	
1974-014A	COSMOS 635	7216	USSR		14 MAR	26 MAR 74	
1974-014B		7217	USSR		14 MAR	25 MAR 74	
1974-014C		7220	USSR		14 MAR	23 MAR 74	
1974-014D		7221	USSR		14 MAR	20 MAR 74	
1974-014E		7222	USSR		14 MAR	07 APR 74	
1974-016A	COSMOS 636	7225	USSR		20 MAR	03 APR 74	
1974-016B		7226	USSR		20 MAR	24 MAR 74	
1974-016C		7227	USSR		20 MAR	25 MAR 74	
1974-016D		7232	USSR		20 MAR	04 APR 74	
1974-016E		7233	USSR		20 MAR	03 APR 74	
1974-016F		7239	USSR		20 MAR	05 APR 74	
1974-017B		7230	USSR		26 MAR	27 MAR 74	
1974-017C		7231	USSR		26 MAR	28 MAR 74	
1974-017D		7248	USSR		26 MAR	16 NOV 76	
1974-017E		7249	USSR		26 MAR	16 NOV 76	
1974-018A	COSMOS 638	7234	USSR		03 APR	13 APR 74	
1974-018B		7235	USSR		03 APR	09 APR 74	
1974-018C		7236	USSR		03 APR	06 APR 74	
1974-018D		7237	USSR		03 APR	05 APR 74	
1974-018E		7238	USSR		03 APR	06 APR 74	
1974-019A	COSMOS 639	7240	USSR		04 APR	15 APR 74	
1974-019B		7241	USSR		04 APR	07 APR 74	
1974-019C		7253	USSR		04 APR	16 APR 74	
1974-019D		7254	USSR		04 APR	17 APR 74	
1974-019E		7255	USSR		04 APR	16 APR 74	
1974-019F		7256	USSR		04 APR	16 APR 74	
1974-020A		7242	US		10 APR	28 JUL 74	
1974-020C		7247	US		10 APR	22 FEB 80	
1974-020D		7243	US		10 APR	12 APR 74	
1974-021A	COSMOS 640	7245	USSR		11 APR	23 APR 74	
1974-021B		7246	USSR		11 APR	14 APR 74	
1974-022B		7251	US		13 APR	25 MAY 74	
1974-022C		7252	US		13 APR	25 NOV 74	
1974-023A	MOLNIYA 1-27	7260	USSR		20 APR	17 NOV 83	
1974-023B		7261	USSR		20 APR	20 JUN 74	
1974-023C		7262	USSR		20 APR	04 JUL 74	
1974-023D		7263	USSR		20 APR	04 MAY 74	
1974-023E		7264	USSR		20 APR	21 DEC 83	
1974-026B		7277	USSR		26 APR	21 MAY 74	
1974-026C		7278	USSR		26 APR	17 MAY 74	
1974-026D		7279	USSR		26 APR	28 APR 74	
1974-027A	COSMOS 649	7280	USSR		29 APR	11 MAY 74	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1974-027B		7282	USSR	29 APR	03 MAY 74	
1974-027C		7283	USSR	29 APR	30 APR 74	
1974-027D		7286	USSR	29 APR	16 MAY 74	
1974-027E		7287	USSR	29 APR	11 MAY 74	
1974-027F		7288	USSR	29 APR	10 MAY 74	
1974-027G		7289	USSR	29 APR	13 MAY 74	
1974-029B		7387	USSR	15 MAY	30 JUL 74	
1974-029C		7388	USSR	15 MAY	05 SEP 74	
1974-030A	COSMOS 652	7292	USSR	15 MAY	23 MAY 74	
1974-030B		7294	USSR	15 MAY	19 MAY 74	
1974-030C		7308	USSR	15 MAY	27 MAY 74	
1974-030D		7309	USSR	15 MAY	25 MAY 74	
1974-030E		7311	USSR	15 MAY	05 JUN 74	
1974-030F		7310	USSR	15 MAY	05 JUN 74	
1974-030G		7312	USSR	15 MAY	25 MAY 74	
1974-031A	COSMOS 653	7293	USSR	15 MAY	27 MAY 74	
1974-031B		7295	USSR	15 MAY	20 MAY 74	
1974-031C		7296	USSR	15 MAY	28 MAY 74	
1974-032B		7395	USSR	17 MAY	04 AUG 74	
1974-032C		7396	USSR	17 MAY	30 AUG 74	
1974-032D		7397	USSR	17 MAY	07 SEP 74	
1974-032E		7398	USSR	17 MAY	30 AUG 74	
1974-033B		7300	US	17 MAY	20 MAY 74	
1974-033C		7301	US	17 MAY	21 MAY 74	
1974-033D		7303	US	17 MAY	12 NOV 74	
1974-033E		7304	US	17 MAY	18 MAY 74	
1974-034A	INTERCOSMOS 11	7299	USSR	17 MAY	06 SEP 79	
1974-034B		7302	USSR	17 MAY	07 JAN 80	
1974-034C		7305	USSR	17 MAY	29 DEC 74	
1974-035A	COSMOS 655	7306	USSR	21 MAY	19 NOV 80	
1974-035B		7307	USSR	21 MAY	05 OCT 80	
1974-035C		7515	USSR	21 MAY	10 JUL 81	
1974-035D		7516	USSR	21 MAY	22 APR 81	
1974-035E		7517	USSR	21 MAY	31 OCT 79	
1974-035F		7518	USSR	21 MAY	21 OCT 79	
1974-035G		7519	USSR	21 MAY	08 SEP 79	
1974-035H		8778	USSR	21 MAY	11 JAN 78	
1974-036A	COSMOS 656	7313	USSR	27 MAY	29 MAY 74	
1974-036B		7314	USSR	27 MAY	02 JUN 74	
1974-037B		7316	USSR	29 MAY	02 JUN 74	
1974-037C		7322	USSR	29 MAY	02 JUN 74	
1974-037D		7323	USSR	29 MAY	02 JUN 74	
1974-038A	COSMOS 657	7317	USSR	30 MAY	13 JUN 74	
1974-038B		7320	USSR	30 MAY	02 JUN 74	
1974-038C		7321	USSR	30 MAY	02 JUN 74	
1974-038D		7332	USSR	30 MAY	02 JUN 74	
1974-038E		7333	USSR	30 MAY	14 JUN 74	
1974-039B		7319	US	30 MAY	04 JUN 74	
1974-040A	EXPLORER 52	7325	US	03 JUN	30 APR 78	
1974-040B		7326	US	03 JUN	11 OCT 77	
1974-040C		7327	US	03 JUN	10 NOV 74	
1974-040D		7331	US	03 JUN	21 NOV 74	
1974-041A	COSMOS 658	7328	USSR	06 JUN	18 JUN 74	
1974-041B		7329	USSR	06 JUN	12 JUN 74	
1974-042A		7330	US	06 JUN	23 JUL 74	
1974-043A	COSMOS 659	7334	USSR	13 JUN	26 JUN 74	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1974-043B		7335	USSR	13 JUN	18 JUN 74	
1974-043C		7336	USSR	13 JUN	16 JUN 74	
1974-043D		7346	USSR	13 JUN	27 JUN 74	
1974-045A	COSMOS 661	7339	USSR	21 JUN	27 AUG 80	
1974-045B		7340	USSR	21 JUN	16 OCT 80	
1974-045C		7341	USSR	21 JUN	02 FEB 78	
1974-046A	SALYUT 3	7342	USSR	24 JUN	24 JAN 75	
1974-046B		7343	USSR	24 JUN	03 JUL 74	
1974-046C		7344	USSR	24 JUN	27 JUN 74	
1974-046D		7345	USSR	24 JUN	28 JUN 74	
1974-047A	COSMOS 662	7347	USSR	26 JUN	28 AUG 76	
1974-047B		7348	USSR	26 JUN	26 OCT 75	
1974-049A	COSMOS 664	7351	USSR	29 JUN	11 JUL 74	
1974-049B		7355	USSR	29 JUN	09 JUL 74	
1974-049C		7356	USSR	29 JUN	08 JUL 74	
1974-049D		7357	USSR	29 JUN	01 JUL 74	
1974-049E		7358	USSR	29 JUN	08 JUL 74	
1974-049F		7359	USSR	29 JUN	08 JUL 74	
1974-049G		7365	USSR	29 JUN	13 JUL 74	
1974-049H		7366	USSR	29 JUN	13 JUL 74	
1974-050A	COSMOS 665	7352	USSR	29 JUN	06 JUL 90	
1974-050B		7353	USSR	29 JUN	01 SEP 74	
1974-050D		7360	USSR	29 JUN	13 AUG 74	
1974-051A	SOYUZ 14	7361	USSR	03 JUL	19 JUL 74	
1974-051B		7362	USSR	03 JUL	05 JUL 74	
1974-051C		7374	USSR	03 JUL	17 JUL 74	
1974-053A	COSMOS 666	7367	USSR	12 JUL	25 JUL 74	
1974-053B		7368	USSR	12 JUL	18 JUL 74	
1974-053C		7379	USSR	12 JUL	25 JUL 74	
1974-053D		7381	USSR	12 JUL	30 JUL 74	
1974-054B		7370	US	14 JUL	26 NOV 80	
1974-055A	AEROS 2	7371	FRG	16 JUL	25 SEP 75	
1974-055B		7375	US	16 JUL	09 OCT 74	
1974-055C		7380	FRG	16 JUL	15 OCT 74	
1974-056B		7377	USSR	23 JUL	26 AUG 74	
1974-056C		7378	USSR	23 JUL	28 AUG 74	
1974-057A	COSMOS 667	7383	USSR	25 JUL	07 AUG 74	
1974-057B		7384	USSR	25 JUL	30 JUL 74	
1974-057C		7407	USSR	25 JUL	10 AUG 74	
1974-057D		7408	USSR	25 JUL	18 AUG 74	
1974-058A	COSMOS 668	7385	USSR	25 JUL	21 FEB 75	
1974-058B		7386	USSR	25 JUL	15 NOV 74	
1974-059A	COSMOS 669	7389	USSR	26 JUL	08 AUG 74	
1974-059B		7390	USSR	26 JUL	30 JUL 74	
1974-059C		7391	USSR	26 JUL	29 JUL 74	
1974-059D		7401	USSR	26 JUL	07 AUG 74	
1974-059E		7402	USSR	26 JUL	08 AUG 74	
1974-059F		7403	USSR	26 JUL	07 AUG 74	
1974-059G		7404	USSR	26 JUL	11 AUG 74	
1974-060B		7393	USSR	29 JUL	01 AUG 74	
1974-060C		7394	USSR	29 JUL	31 JUL 74	
1974-060D		7399	USSR	29 JUL	26 JAN 79	
1974-060E		7400	USSR	29 JUL	11 DEC 76	
1974-061A	COSMOS 670	7405	USSR	06 AUG	09 AUG 74	
1974-061B		7406	USSR	06 AUG	13 AUG 74	
1974-062A	COSMOS 671	7409	USSR	07 AUG	20 AUG 74	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1974-062B		7410	USSR	07 AUG	14 AUG 74	
1974-062C		7419	USSR	07 AUG	09 SEP 74	
1974-062D		7420	USSR	07 AUG	23 AUG 74	
1974-064A	COSMOS 672	7413	USSR	12 AUG	18 AUG 74	
1974-064B		7414	USSR	12 AUG	14 AUG 74	
1974-064C		7415	USSR	12 AUG	16 AUG 74	
1974-065A		7416	US	14 AUG	29 SEP 74	
1974-066A	COSMOS 673	7417	USSR	16 AUG	01 JUN 91	
1974-066D		18913	USSR	16 AUG	27 MAR 89	
1974-067A	SOYUZ 15	7421	USSR	26 AUG	28 AUG 74	E*
1974-067B		7422	USSR	26 AUG	28 AUG 74	
1974-068A	COSMOS 674	7423	USSR	29 AUG	07 SEP 74	
1974-068B		7425	USSR	29 AUG	04 SEP 74	
1974-068C		7431	USSR	29 AUG	14 SEP 74	
1974-068D		7432	USSR	29 AUG	10 SEP 74	
1974-070A	ANS	7427	NETH	30 AUG	14 JUN 77	
1974-070B		7428	US	30 AUG	19 NOV 75	
1974-070C		7429	NETH	30 AUG	20 JUL 75	
1974-070D		7430	NETH	30 AUG	04 OCT 74	
1974-070E		7694	NETH	30 AUG	10 APR 75	
1974-073A	COSMOS 685	7445	USSR	20 SEP	02 OCT 74	
1974-073B		7444	USSR	20 SEP	26 SEP 74	
1974-073C		7446	USSR	20 SEP	25 SEP 74	
1974-074A	COSMOS 686	7447	USSR	26 SEP	01 MAY 75	
1974-074B		7448	USSR	26 SEP	29 OCT 74	
1974-074C		7449	USSR	26 SEP	19 MAR 75	
1974-074D		7450	USSR	26 SEP	01 JAN 76	
1974-074E		7451	USSR	26 SEP	13 NOV 74	
1974-074F		7452	USSR	26 SEP	18 MAR 75	
1974-074G		7453	USSR	26 SEP	05 JUL 75	
1974-074H		7454	USSR	26 SEP	03 NOV 74	
1974-074J		7455	USSR	26 SEP	03 NOV 74	
1974-074K		7456	USSR	26 SEP	03 NOV 74	
1974-074L		7457	USSR	26 SEP	17 NOV 74	
1974-074M		7458	USSR	26 SEP	26 NOV 74	
1974-074N		7459	USSR	26 SEP	05 MAY 75	
1974-074P		7460	USSR	26 SEP	20 OCT 74	
1974-074Q		7461	USSR	26 SEP	18 OCT 74	
1974-074R		7462	USSR	26 SEP	23 OCT 74	
1974-074S		7463	USSR	26 SEP	10 NOV 74	
1974-074T		7464	USSR	26 SEP	01 NOV 74	
1974-074U		7465	USSR	26 SEP	21 FEB 75	
1974-074V		7526	USSR	26 SEP	27 NOV 74	
1974-075B	COSMOS 687	7467	US	10 OCT	23 DEC 78	
1974-076A		7469	USSR	11 OCT	05 FEB 78	
1974-076B		7470	USSR	11 OCT	04 JAN 77	
1974-077A	ARIEL 5	7471	UK	15 OCT	14 MAR 80	
1974-077B		7472	US	15 OCT	13 MAY 79	
1974-078A	COSMOS 688	7473	USSR	18 OCT	30 OCT 74	
1974-078B		7474	USSR	18 OCT	24 OCT 74	
1974-078C		7475	USSR	18 OCT	23 OCT 74	
1974-078D		7496	USSR	18 OCT	31 OCT 74	
1974-080A		7478	USSR	22 OCT	12 NOV 74	
1974-080B	COSMOS 690	7479	USSR	22 OCT	10 NOV 74	
1974-080C		7521	USSR	22 OCT	21 NOV 74	
1974-080D		7522	USSR	22 OCT	03 DEC 74	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1974-080E		7523	USSR	22 OCT	14 DEC 74	
1974-080F		7524	USSR	22 OCT	16 NOV 74	
1974-080G		7527	USSR	22 OCT	23 NOV 74	
1974-080H		7528	USSR	22 OCT	24 NOV 74	
1974-081A	MOLNIYA 1-28	7480	USSR	24 OCT	29 DEC 85	
1974-081B		7481	USSR	24 OCT	31 DEC 74	
1974-081C		7482	USSR	24 OCT	03 JAN 75	
1974-081D		7485	USSR	24 OCT	27 OCT 86	
1974-081E		7486	USSR	24 OCT	04 NOV 74	
1974-082A	COSMOS 691	7483	USSR	25 OCT	06 NOV 74	
1974-082B		7484	USSR	25 OCT	29 OCT 74	
1974-082C		7511	USSR	25 OCT	10 NOV 74	
1974-082D		7512	USSR	25 OCT	06 NOV 74	
1974-084A	LUNA 23	7491	USSR	28 OCT	06 NOV 74	
1974-084B		7492	USSR	28 OCT	01 NOV 74	
1974-084C		7494	USSR	28 OCT	01 NOV 74	
1974-085A		7495	US	29 OCT	01 NOV 74	
1974-085B		7498	US	29 OCT	19 MAR 75	
1974-085C		7499	US	29 OCT	23 JAN 80	
1974-085D		7497	US	29 OCT	26 MAY 75	
1974-086A	INTERCOSMOS 12	7500	USSR	31 OCT	31 OCT 74	
1974-086B		7501	USSR	31 OCT	11 JUL 75	
1974-086C		7507	USSR	31 OCT	23 JUL 75	
1974-086D		7508	USSR	31 OCT	11 NOV 74	
1974-087A	COSMOS 692	7502	USSR	01 NOV	11 NOV 74	
1974-087B		7503	USSR	01 NOV	13 NOV 74	
1974-087C		7504	USSR	01 NOV	06 NOV 74	
1974-087D		7505	USSR	01 NOV	05 NOV 74	
1974-087E		7506	USSR	01 NOV	05 NOV 74	
1974-087F		7520	USSR	01 NOV	05 NOV 74	
1974-087G		7525	USSR	01 NOV	23 NOV 74	
1974-088A	COSMOS 693	7509	USSR	04 NOV	18 NOV 74	
1974-088B		7510	USSR	04 NOV	16 NOV 74	
1974-088C		7513	USSR	04 NOV	09 NOV 74	
1974-088D		7514	USSR	04 NOV	06 NOV 74	
1974-088E		7534	USSR	04 NOV	16 NOV 74	
1974-089AM		8171	US	15 NOV	17 NOV 74	
1974-089AS		8176	US	15 NOV	08 MAY 82	
1974-089BC		8186	US	15 NOV	17 OCT 89	
1974-089BE		8297	US	15 NOV	27 DEC 78	
1974-089BM		8304	US	15 NOV	10 JAN 91	
1974-089BV		8312	US	15 NOV	10 NOV 89	
1974-089CV		8557	US	15 NOV	03 JUN 82	
1974-089CW		8558	US	15 NOV	10 JUN 82	
1974-089DC		8559	US	15 NOV	28 JAN 78	
1974-089DP		8565	US	15 NOV	10 JUN 82	
1974-089DT		8787	US	15 NOV	16 MAY 88	
1974-089EL		8909	US	15 NOV	24 AUG 77	
1974-089EV		13130	US	15 NOV	15 NOV 81	
1974-089EV		15522	US	15 NOV	14 SEP 90	
1974-089EY		18508	US	15 NOV	04 SEP 88	
1974-089FB		18901	US	15 NOV	15 MAR 89	
1974-089FF		20681	US	15 NOV	11 JUL 89	
1974-089G		8138	US	15 NOV	02 AUG 90	
1974-090A	COSMOS 694	7533	USSR	16 NOV	14 NOV 92	
1974-090B		7535	USSR	16 NOV	29 NOV 74	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1974-090C		7536	USSR	16 NOV	17 NOV 74	
1974-090D		7537	USSR	16 NOV	18 NOV 74	
1974-090E		7555	USSR	16 NOV	03 DEC 74	
1974-090F		7556	USSR	16 NOV	30 NOV 74	
1974-090G		7557	USSR	16 NOV	03 DEC 74	
1974-091A	COSMOS 695	7538	USSR	20 NOV	15 JUL 75	
1974-091B		7539	USSR	20 NOV	15 MAR 75	
1974-092A		7540	USSR	21 NOV	15 MAY 86	
1974-092B		7541	USSR	21 NOV	27 JAN 75	
1974-092C		7542	USSR	21 NOV	11 JAN 75	
1974-092D		7543	USSR	21 NOV	10 JAN 75	
1974-092E		7546	USSR	21 NOV	09 MAR 86	
1974-094B		7548	USSR	23 NOV	07 JAN 75	
1974-094C		7549	US	23 NOV	26 DEC 74	
1974-094D		7550	US	23 NOV	08 DEC 89	
1974-094E		9530	US	23 NOV	04 NOV 76	
1974-095A	COSMOS 696	7551	USSR	27 NOV	09 DEC 74	
1974-095B		7552	USSR	27 NOV	05 DEC 74	
1974-095C		7553	USSR	27 NOV	29 NOV 74	
1974-095D		7554	USSR	27 NOV	03 DEC 74	
1974-096A	SOYUZ 16	7561	USSR	02 DEC	08 DEC 74	
1974-096B		7562	USSR	02 DEC	07 DEC 74	
1974-096C		7563	USSR	02 DEC	08 DEC 74	
1974-096D		7564	USSR	02 DEC	03 DEC 74	
1974-096E		7565	USSR	02 DEC	08 DEC 74	
1974-096F		7566	USSR	02 DEC	08 DEC 74	
1974-098A	COSMOS 697	7571	USSR	13 DEC	25 DEC 74	
1974-098B		7572	USSR	13 DEC	21 DEC 74	
1974-098C		7573	USSR	13 DEC	16 DEC 74	
1974-098D		7589	USSR	13 DEC	26 DEC 74	
1974-098E		7590	USSR	13 DEC	26 DEC 74	
1974-100A	COSMOS 698	7576	USSR	18 DEC	09 DEC 80	
1974-100B		7577	USSR	18 DEC	08 NOV 80	
1974-100C		7582	USSR	18 DEC	06 MAR 77	
1974-100D		7636	USSR	18 DEC	23 SEP 81	
1974-100E		7695	USSR	18 DEC	29 SEP 77	
1974-100F		7722	USSR	18 DEC	20 OCT 79	
1974-100G		7723	USSR	18 DEC	14 APR 80	
1974-100H		7724	USSR	18 DEC	02 MAR 78	
1974-100J		9793	USSR	18 DEC	01 AUG 77	
1974-101B		7579	US	19 DEC	19 APR 78	
1974-101C		7580	US	19 DEC	01 AUG 77	
1974-101D		7581	US	19 DEC	24 APR 77	
1974-101E		8739	US	19 DEC	02 JAN 77	
1974-101F		8740	US	19 DEC	08 SEP 77	
1974-102A	MOLNIYA 2-11	7583	USSR	21 DEC	25 DEC 77	
1974-102B		7584	USSR	21 DEC	07 JUL 88	
1974-102C		7585	USSR	21 DEC	12 MAR 75	
1974-102D		7586	USSR	21 DEC	08 MAR 75	
1974-103A	COSMOS 699	7587	USSR	24 DEC	05 JAN 89	
1974-103AA		8047	USSR	24 DEC	16 OCT 77	
1974-103AB		8048	USSR	24 DEC	26 FEB 78	
1974-103AC		8049	USSR	24 DEC	22 MAR 76	
1974-103AD		8050	USSR	24 DEC	10 JUN 78	
1974-103AE		8051	USSR	24 DEC	12 NOV 75	
1974-103AF		8052	USSR	24 DEC	06 NOV 76	

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DECAYED OBJECTS			LAUNCH		DECAY		NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES	
1974-103AG		8056	USSR	24 DEC	10 MAR 76	AZ*	
1974-103AH		8057	USSR	24 DEC	21 NOV 78		
1974-103AJ		8100	USSR	24 DEC	20 SEP 75		
1974-103AK		8101	USSR	24 DEC	13 MAR 76		
1974-103AL		8102	USSR	24 DEC	12 MAR 78		
1974-103AM		8103	USSR	24 DEC	30 SEP 75		
1974-103AN		8104	USSR	24 DEC	29 JAN 76		
1974-103AP		8105	USSR	24 DEC	03 MAY 79		
1974-103AQ		8106	USSR	24 DEC	12 APR 76		
1974-103AR		8109	USSR	24 DEC	24 SEP 75		
1974-103AS		8112	USSR	24 DEC	04 MAR 78		
1974-103AT		8113	USSR	24 DEC	15 JUL 78		
1974-103AU		8114	USSR	24 DEC	09 MAY 76		
1974-103AV		8115	USSR	24 DEC	28 JAN 76		
1974-103AW		8116	USSR	24 DEC	23 SEP 77		
1974-103AX		8117	USSR	24 DEC	14 APR 76		
1974-103AY		8118	USSR	24 DEC	19 JUN 78		
1974-103AZ		8119	USSR	24 DEC	01 NOV 75		
1974-103B		7588	USSR	24 DEC	25 DEC 74		
1974-103BA		8120	USSR	24 DEC	10 APR 78		
1974-103BB		8121	USSR	24 DEC	28 DEC 77		
1974-103BC		8122	USSR	24 DEC	28 JUN 78		
1974-103C		7748	USSR	24 DEC	08 JAN 77	BA*	
1974-103D		7749	USSR	24 DEC	12 APR 76		
1974-103E		7750	USSR	24 DEC	27 FEB 77		
1974-103F		7754	USSR	24 DEC	01 JUN 75		
1974-103G		7755	USSR	24 DEC	20 JAN 76		
1974-103H		7756	USSR	24 DEC	23 DEC 76		
1974-103J		7757	USSR	24 DEC	18 OCT 78		
1974-103K		7758	USSR	24 DEC	16 AUG 75		
1974-103L		7759	USSR	24 DEC	06 JUN 76		
1974-103M		7760	USSR	24 DEC	30 OCT 75		
1974-103N		7762	USSR	24 DEC	29 JUL 75		
1974-103P		7763	USSR	24 DEC	12 APR 76		
1974-103Q		7764	USSR	24 DEC	26 AUG 75		
1974-103R		7765	USSR	24 DEC	23 SEP 77		
1974-103S		7766	USSR	24 DEC	25 JUL 75		
1974-103T		7767	USSR	24 DEC	09 JUL 75		
1974-103U		7783	USSR	24 DEC	06 JUL 75		
1974-103V		7784	USSR	24 DEC	10 OCT 75		
1974-103W		7793	USSR	24 DEC	09 JUL 75		
1974-103X		7814	USSR	24 DEC	09 SEP 75		
1974-103Y		7999	USSR	24 DEC	06 DEC 78		
1974-103Z		8046	USSR	24 DEC	01 NOV 75		
1974-104A		7591	USSR	26 DEC	02 FEB 77	SALYUT 4	
1974-104B		7592	USSR	26 DEC	01 JAN 75		
1974-104C		7595	USSR	26 DEC	28 DEC 74		
1974-104D		7598	USSR	26 DEC	22 JAN 75		
1974-104E		7608	USSR	26 DEC	29 APR 75		
1974-104F		7628	USSR	26 DEC	08 APR 75		
1974-104G		7630	USSR	26 DEC	15 APR 75		
1974-104H		7634	USSR	26 DEC	15 APR 75		
1974-104J		7656	USSR	26 DEC	18 APR 75		
1974-104K		7657	USSR	26 DEC	26 APR 75		
1974-104L		7658	USSR	26 DEC	07 MAY 75		
1974-104M		7661	USSR	26 DEC	13 APR 75		

DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER-NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE						
1974-104N	COSMOS 701	7662	USSR	26 DEC	10 SEP 75				
1974-104P		7704	USSR	26 DEC	16 JUN 75				
1974-104Q		7995	USSR	26 DEC	16 SEP 75				
1974-104R		7996	USSR	26 DEC	18 SEP 75				
1974-104S		7997	USSR	26 DEC	25 MAR 76				
1974-104T		7998	USSR	26 DEC	15 SEP 75				
1974-104U		8055	USSR	26 DEC	27 OCT 75				
1974-106A		7596	USSR	27 DEC	09 JAN 75				
1974-106B		7597	USSR	27 DEC	07 JAN 75				
1974-106C		7599	USSR	27 DEC	02 JAN 75				
1974-106D		7600	USSR	27 DEC	07 JAN 75				
1974-106E		7601	USSR	27 DEC	11 JAN 75				
1974-106F		7602	USSR	27 DEC	15 JAN 75				
1974-106G		7603	USSR	27 DEC	15 JAN 75				
1975 LAUNCHES									
1975-001A	SOYUZ 17	7604	USSR	10 JAN	09 FEB 75				E*
1975-001B		7605	USSR	10 JAN	14 JAN 75				
1975-001C		7610	USSR	10 JAN	25 MAR 75				
1975-001D		7613	USSR	10 JAN	12 APR 75				
1975-001E		7614	USSR	10 JAN	08 MAY 75				
1975-001F		7622	USSR	10 JAN	24 OCT 75				
1975-001G		7633	USSR	10 JAN	15 APR 75				
1975-001H		7635	USSR	10 JAN	23 MAR 75				
1975-001J		7640	USSR	10 JAN	27 OCT 75				
1975-002A		7606	USSR	17 JAN	29 JAN 75				
1975-002B		7607	USSR	17 JAN	29 JAN 75				
1975-002C		7609	USSR	17 JAN	21 JAN 75				
1975-003A		7611	USSR	21 JAN	20 NOV 75				
1975-003B		7612	US	21 JAN	22 AUG 75				
1975-004AA		8944	US	22 JAN	18 FEB 80				
1975-004AB		8945	US	22 JAN	25 APR 80				
1975-004AC		8946	US	22 JAN	15 JUL 78				
1975-004AD		8947	US	22 JAN	08 APR 81				
1975-004AE		8948	US	22 JAN	10 AUG 81				
1975-004AF		8949	US	22 JAN	06 APR 79				
1975-004AG		8950	US	22 JAN	19 DEC 81				
1975-004AJ		8952	US	22 JAN	29 MAR 79				
1975-004AK		8953	US	22 JAN	07 JUN 89				
1975-004AM		8955	US	22 JAN	23 JUN 77				
1975-004AP		8957	US	22 JAN	04 NOV 79				
1975-004AS		8960	US	22 JAN	08 MAR 92				
1975-004AT		8961	US	22 JAN	24 APR 79				
1975-004AU		8962	US	22 JAN	29 DEC 79				
1975-004AX		8965	US	22 JAN	03 NOV 78				
1975-004AY		8966	US	22 JAN	09 NOV 78				
1975-004AZ		8967	US	22 JAN	16 OCT 89				
1975-004BA		8971	US	22 JAN	23 OCT 79				
1975-004BE		8972	US	22 JAN	05 NOV 79				
1975-004BF		8973	US	22 JAN	13 JAN 80				
1975-004BG		8974	US	22 JAN	31 JAN 77				
1975-004BH		8975	US	22 JAN	06 SEP 79				
1975-004BJ		8976	US	22 JAN	21 NOV 79				
1975-004BK		8977	US	22 JAN	28 JUL 81				
1975-004BQ		8982	US	22 JAN	23 JUN 80				

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1975-004BR		8983	US	22 JAN	11 SEP 79		
1975-004BS		8984	US	22 JAN	23 NOV 79		
1975-004BT		8985	US	22 JAN	30 MAY 79		
1975-004BU		8986	US	22 JAN	17 OCT 79		
1975-004BV		8987	US	22 JAN	16 DEC 79		
1975-004BW		8988	US	22 JAN	25 APR 79		
1975-004BX		8989	US	22 JAN	16 AUG 78		
1975-004BY		8990	US	22 JAN	27 FEB 82		
1975-004BZ		8991	US	22 JAN	09 DEC 83		
1975-004C		8675	US	22 JAN	18 SEP 90		
1975-004CA		8992	US	22 JAN	23 APR 81		
1975-004CB		8993	US	22 JAN	01 DEC 86		
1975-004CC		8994	US	22 JAN	16 JUN 79		
1975-004CD		8995	US	22 JAN	11 OCT 86		
1975-004CE		8996	US	22 JAN	10 DEC 83		
1975-004CG		8998	US	22 JAN	24 MAR 79		
1975-004CH		8999	US	22 JAN	08 MAY 82		
1975-004CJ		9000	US	22 JAN	13 DEC 91		
1975-004CK		9001	US	22 JAN	20 FEB 80		
1975-004CL		9002	US	22 JAN	26 DEC 80		
1975-004CN		9004	US	22 JAN	03 JUL 77		
1975-004CP		9005	US	22 JAN	26 DEC 80		
1975-004CQ		9026	US	22 JAN	09 NOV 78		
1975-004CR		9027	US	22 JAN	04 FEB 78		
1975-004CS		9028	US	22 JAN	01 MAY 78		
1975-004CT		9029	US	22 JAN	22 OCT 80		
1975-004CU		9030	US	22 JAN	11 JAN 80		
1975-004CV		9031	US	22 JAN	14 DEC 79		
1975-004CW		9032	US	22 JAN	04 FEB 77		
1975-004CX		9033	US	22 JAN	21 SEP 79		
1975-004CY		9034	US	22 JAN	09 APR 81		
1975-004CZ		9035	US	22 JAN	12 OCT 78		
1975-004D		8676	US	22 JAN	05 NOV 79		
1975-004DA		9036	US	22 JAN	03 FEB 80		
1975-004DB		9037	US	22 JAN	03 OCT 79		
1975-004DC		9038	US	22 JAN	31 JAN 77		
1975-004DD		9039	US	22 JAN	06 OCT 78		
1975-004DE		9041	US	22 JAN	13 SEP 80		
1975-004DH		9282	US	22 JAN	10 DEC 79		
1975-004DJ		9283	US	22 JAN	02 DEC 79		
1975-004DK		9284	US	22 JAN	04 OCT 79		
1975-004DL		9285	US	22 JAN	31 JAN 77		
1975-004DM		9286	US	22 JAN	25 APR 77		
1975-004DN		9287	US	22 JAN	20 APR 79		
1975-004DP		9288	US	22 JAN	01 OCT 77		
1975-004DQ		9289	US	22 JAN	22 JAN 78		
1975-004DR		9290	US	22 JAN	27 MAY 77		
1975-004DS		9291	US	22 JAN	30 JUN 80		
1975-004DT		9292	US	22 JAN	24 MAY 84		
1975-004DV		9294	US	22 JAN	26 FEB 79		
1975-004DW		9295	US	22 JAN	27 JAN 79		
1975-004DX		9296	US	22 JAN	18 MAY 81		
1975-004DY		9297	US	22 JAN	31 JAN 77		
1975-004DZ		9298	US	22 JAN	09 FEB 77		
1975-004E		8677	US	22 JAN	14 SEP 79		
1975-004EA		9299	US	22 JAN	30 JUN 78		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1975-004EB		9300	US	22 JAN	19 NOV 82	
1975-004EC		9301	US	22 JAN	04 JAN 79	
1975-004ED		9302	US	22 JAN	15 APR 79	
1975-004EE		9303	US	22 JAN	06 APR 80	
1975-004EF		9304	US	22 JAN	05 SEP 80	
1975-004EG		9305	US	22 JAN	24 JAN 89	
1975-004EH		9306	US	22 JAN	21 DEC 80	
1975-004EJ		9307	US	22 JAN	21 OCT 79	
1975-004EK		9308	US	22 JAN	09 MAY 81	
1975-004EL		9309	US	22 JAN	11 AUG 81	
1975-004EM		9310	US	22 JAN	07 JUL 77	
1975-004EN		9311	US	22 JAN	16 JUN 79	
1975-004EP		9312	US	22 JAN	08 MAY 78	
1975-004ER		9314	US	22 JAN	01 DEC 82	
1975-004ES		9315	US	22 JAN	13 FEB 79	
1975-004ET		9316	US	22 JAN	28 DEC 77	
1975-004EU		9317	US	22 JAN	21 APR 81	
1975-004EV		9318	US	22 JAN	04 JUN 79	
1975-004EW		9319	US	22 JAN	04 MAY 80	
1975-004EX		9321	US	22 JAN	05 FEB 80	
1975-004EZ		9322	US	22 JAN	12 APR 77	
1975-004FB		9324	US	22 JAN	08 SEP 79	
1975-004FC		9325	US	22 JAN	11 OCT 80	
1975-004FD		9326	US	22 JAN	17 APR 78	
1975-004FE		9327	US	22 JAN	23 MAR 80	
1975-004FF		9543	US	22 JAN	28 NOV 77	
1975-004FG		9544	US	22 JAN	12 MAY 79	
1975-004FH		9545	US	22 JAN	21 SEP 89	
1975-004FJ		9546	US	22 JAN	07 OCT 77	
1975-004FK		9547	US	22 JAN	19 JAN 80	
1975-004FL		9548	US	22 JAN	01 FEB 79	
1975-004FM		9549	US	22 JAN	08 JUL 78	
1975-004FN		9550	US	22 JAN	14 APR 79	
1975-004FQ		9571	US	22 JAN	31 DEC 78	
1975-004FR		9616	US	22 JAN	02 NOV 81	
1975-004FT		9618	US	22 JAN	31 OCT 80	
1975-004FW		9621	US	22 JAN	31 MAY 88	
1975-004FX		9622	US	22 JAN	18 JAN 79	
1975-004FY		9677	US	22 JAN	11 JUN 81	
1975-004FZ		9678	US	22 JAN	14 JUN 79	
1975-004GA		9679	US	22 JAN	20 SEP 90	
1975-004GB		9680	US	22 JAN	17 JUL 79	
1975-004GD		9682	US	22 JAN	16 JAN 92	
1975-004GE		9683	US	22 JAN	19 JUN 81	
1975-004GF		9684	US	22 JAN	20 FEB 79	
1975-004GG		9685	US	22 JAN	17 JUL 86	
1975-004GH		9686	US	22 JAN	16 JUN 79	
1975-004GJ		9687	US	22 JAN	30 NOV 79	
1975-004GK		9688	US	22 JAN	11 SEP 80	
1975-004GL		9689	US	22 JAN	12 SEP 90	
1975-004GM		9690	US	22 JAN	06 JUN 80	
1975-004GN		9691	US	22 JAN	21 JUN 78	
1975-004GP		9705	US	22 JAN	28 APR 78	
1975-004GQ		9706	US	22 JAN	04 DEC 78	
1975-004GR		9707	US	22 JAN	16 NOV 79	
1975-004GS		9708	US	22 JAN	02 MAY	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1975-004GT		9709	US	22 JAN	12 MAR 78	
1975-004GW		9712	US	22 JAN	03 JAN 79	
1975-004GX		9713	US	22 JAN	18 JUL 78	
1975-004GY		9714	US	22 JAN	07 JAN 79	
1975-004GZ		9715	US	22 JAN	09 MAY 79	
1975-004H		8680	US	22 JAN	10 FEB 79	
1975-004HA		9716	US	22 JAN	25 NOV 77	
1975-004HB		9717	US	22 JAN	11 APR 79	
1975-004HC		9948	US	22 JAN	02 MAR 85	
1975-004HD		9949	US	22 JAN	26 OCT 81	
1975-004HE		9950	US	22 JAN	14 JUL 79	
1975-004HF		10397	US	22 JAN	06 JAN 81	
1975-004HG		14882	US	22 JAN	02 JUL 89	
1975-004HH		17729	US	22 JAN	04 MAY 92	
1975-004HJ		17730	US	22 JAN	09 MAY 89	
1975-004HM		19053	US	22 JAN	13 DEC 90	
1975-004HR		19431	US	22 JAN	14 DEC 90	
1975-004K		8683	US	22 JAN	05 APR 77	
1975-004L		8684	US	22 JAN	28 DEC 79	
1975-004N		8687	US	22 JAN	18 FEB 77	
1975-004P		8691	US	22 JAN	22 MAY 82	
1975-004Q		8692	US	22 JAN	28 AUG 89	
1975-004R		8693	US	22 JAN	29 AUG 81	
1975-004S		8936	US	22 JAN	20 NOV 78	
1975-004T		8937	US	22 JAN	09 DEC 79	
1975-004U		8938	US	22 JAN	18 APR 78	
1975-004V		8939	US	22 JAN	05 MAY 81	
1975-004X		8941	US	22 JAN	18 APR 78	
1975-004Y		8942	US	22 JAN	26 SEP 81	
1975-004Z		8943	US	22 JAN	17 JUL 82	
1975-005A	COSMOS 704	7617	USSR	23 JAN	06 FEB 75	
1975-005B		7618	USSR	23 JAN	03 FEB 75	
1975-005C		7619	USSR	23 JAN	26 JAN 75	
1975-005D		7620	USSR	23 JAN	26 JAN 75	
1975-005E		7621	USSR	23 JAN	26 JAN 75	
1975-005F		7631	USSR	23 JAN	07 FEB 75	
1975-005G		7632	USSR	23 JAN	06 FEB 75	
1975-005H		7644	USSR	23 JAN	08 FEB 75	
1975-005J		7649	USSR	23 JAN	09 FEB 75	
1975-006A	COSMOS 705	7623	USSR	28 JAN	18 NOV 75	
1975-006B		7624	USSR	28 JAN	25 JUN 75	
1975-007B		7626	USSR	30 JAN	04 APR 75	
1975-007C	COSMOS 707	7627	USSR	30 JAN	01 MAR 75	
1975-008A		7637	USSR	05 FEB	07 SEP 80	
1975-008B		7638	USSR	05 FEB	27 AUG 80	
1975-008C		7639	USSR	05 FEB	14 DEC 76	
1975-008D		7645	USSR	05 FEB	17 APR 77	
1975-008E		7777	USSR	05 FEB	29 APR 77	
1975-009A	MOLNIYA 2-12	7641	USSR	06 FEB	04 JUL 85	
1975-009B		7642	USSR	06 FEB	25 APR 75	
1975-009C		7643	USSR	06 FEB	23 APR 75	
1975-009D		7653	USSR	06 FEB	30 SEP 85	
1975-011B		7650	US	06 FEB	06 APR 82	
1975-011C		7651	US	06 FEB	16 FEB 75	
1975-011D		7652	US	06 FEB	16 FEB 75	
1975-011E		7660	US	06 FEB	21 FEB 75	

DECAYED OBJECTS			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1975-013A	COSMOS 709	7664	USSR	12 FEB	25 FEB 75
1975-013B		7666	USSR	12 FEB	17 FEB 75
1975-013C		7667	USSR	12 FEB	15 FEB 75
1975-013D		7668	USSR	12 FEB	15 FEB 75
1975-013E		7669	USSR	12 FEB	15 FEB 75
1975-013F		7672	USSR	12 FEB	01 MAR 75
1975-013G		7673	USSR	12 FEB	26 FEB 75
1975-014A	SRATS (TAIYO)	7671	JAPAN	24 FEB	29 JUN 80
1975-014B		7674	JAPAN	24 FEB	17 MAY 80
1975-015A	COSMOS 710	7675	USSR	26 FEB	12 MAR 75
1975-015B		7676	USSR	26 FEB	03 MAR 75
1975-015C		7677	USSR	26 FEB	03 MAR 75
1975-015D		7689	USSR	26 FEB	12 MAR 75
1975-015E		7690	USSR	26 FEB	16 MAR 75
1975-018A	COSMOS 719	7691	USSR	12 MAR	25 MAR 75
1975-018B		7692	USSR	12 MAR	16 MAR 75
1975-018C		7693	USSR	12 MAR	15 MAR 75
1975-018D		7701	USSR	12 MAR	26 MAR 75
1975-018E		7702	USSR	12 MAR	30 MAR 75
1975-018F		7703	USSR	12 MAR	28 MAR 75
1975-019A	COSMOS 720	7696	USSR	21 MAR	01 APR 75
1975-019B		7697	USSR	21 MAR	30 MAR 75
1975-019C		7698	USSR	21 MAR	22 MAR 75
1975-019D		7699	USSR	21 MAR	25 MAR 75
1975-019E		7700	USSR	21 MAR	22 MAR 75
1975-019F		7717	USSR	21 MAR	05 APR 75
1975-019G		7719	USSR	21 MAR	04 APR 75
1975-019H		7725	USSR	21 MAR	10 APR 75
1975-019J		7726	USSR	21 MAR	09 APR 75
1975-020A	COSMOS 721	7705	USSR	26 MAR	07 APR 75
1975-020B		7706	USSR	26 MAR	29 MAR 75
1975-020C		7707	USSR	26 MAR	29 MAR 75
1975-020D		7708	USSR	26 MAR	31 MAR 75
1975-020E		7720	USSR	26 MAR	07 APR 75
1975-020F		7721	USSR	26 MAR	10 APR 75
1975-021A	COSMOS 722	7709	USSR	27 MAR	09 APR 75
1975-021B		7711	USSR	27 MAR	09 APR 75
1975-021C		7712	USSR	27 MAR	29 MAR 75
1975-021D		7716	USSR	27 MAR	02 APR 75
1975-021E		7728	USSR	27 MAR	10 APR 75
1975-021F		7729	USSR	27 MAR	12 APR 75
1975-021G		7732	USSR	27 MAR	14 APR 75
1975-021H		7733	USSR	27 MAR	10 APR 75
1975-022A	INTERCOSMOS 13	7710	USSR	27 MAR	02 SEP 80
1975-022B		7713	USSR	27 MAR	21 APR 80
1975-024B		7795	USSR	02 APR	21 MAY 75
1975-024C		7796	USSR	02 APR	19 MAY 75
1975-024D		7797	USSR	02 APR	15 JUL 75
1975-024E		7798	USSR	02 APR	24 MAY 75
1975-024F		7799	USSR	02 APR	25 MAY 75
1975-025B		7922	USSR	02 APR	07 AUG 75
1975-025C		7923	USSR	07 APR	17 JUN 75
1975-025D		18281	USSR	07 APR	05 OCT 88
1975-026A	COSMOS 725	7730	USSR	08 APR	06 JAN 76
1975-026B		7731	USSR	08 APR	09 SEP 75
1975-027D		10729	US	09 APR	07 DEC 83

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1975-029A	MOLNIYA 3-2	7738	USSR	14 APR	29 NOV 88	
1975-029B		7739	USSR	14 APR	20 JUN 75	
1975-029C		7740	USSR	14 APR	04 JUN 75	
1975-030A		7742	USSR	16 APR	28 APR 75	
1975-030B	COSMOS 727	7743	USSR	16 APR	21 APR 75	
1975-030C		7744	USSR	16 APR	19 APR 75	
1975-030D		7774	USSR	16 APR	05 MAY 75	
1975-030E		7775	USSR	16 APR	01 MAY 75	
1975-031A	COSMOS 728	7745	USSR	18 APR	29 APR 75	
1975-031B		7746	USSR	30 APR 75	30 APR 75	
1975-031C		7751	USSR	18 APR	20 APR 75	
1975-031D		7761	USSR	18 APR	22 APR 75	
1975-031E		7776	USSR	18 APR	03 MAY 75	
1975-031F		7778	USSR	18 APR	28 APR 75	
1975-031G		7779	USSR	18 APR	16 MAY 75	
1975-032A		7747	US	18 APR	05 JUN 75	
1975-033A	ARIABAT	7752	INDIA	19 APR	11 FEB 92	
1975-033B		7753	USSR	19 APR	06 NOV 88	
1975-033C		8058	USSR	19 APR	12 MAR 78	
1975-033D		9839	USSR	19 APR	21 JUN 77	
1975-035A	COSMOS 730	7770	USSR	24 APR	06 MAY 75	
1975-035B		7771	USSR	24 APR	29 APR 75	
1975-035C		7772	USSR	24 APR	01 MAY 75	
1975-035D		7773	USSR	24 APR	28 APR 75	
1975-035E		7785	USSR	24 APR	07 MAY 75	
1975-035F		7786	USSR	24 APR	06 MAY 75	
1975-035G		7787	USSR	24 APR	24 MAY 75	
1975-036B		7781	USSR	29 APR	29 MAY 75	
1975-037A	EXPLORER 53	7782	USSR	29 APR	03 JUN 75	
1975-037B		7788	US	07 MAY	09 APR 79	
1975-038B		7789	US	07 MAY	09 SEP 79	
1975-038C		7791	US	07 MAY	03 NOV 76	
1975-039A	POLLUX CASTOR	7792	US	07 MAY	08 MAY 75	
1975-039B		7801	FRANCE	17 MAY	05 AUG 75	
1975-039C		7802	FRANCE	17 MAY	18 FEB 79	
1975-039D		7803	FRANCE	17 MAY	07 AUG 76	
1975-039E		7804	FRANCE	17 MAY	26 SEP 76	
1975-039F		7805	FRANCE	17 MAY	18 JUN 76	
1975-039G		7806	FRANCE	17 MAY	30 SEP 76	
1975-040A		8035	FRANCE	17 MAY	29 JAN 78	
1975-040B	COSMOS 731	7807	US	20 MAY	26 MAY 75	
1975-040C		7808	US	20 MAY	26 MAY 75	
1975-040D		7809	US	20 MAY	21 MAY 75	
1975-041A		7810	USSR	21 MAY	02 JUN 75	
1975-041B		7811	USSR	21 MAY	30 MAY 75	
1975-041C		7812	USSR	21 MAY	24 MAY 75	
1975-041D		7813	USSR	21 MAY	26 MAY 75	
1975-041E		7879	USSR	21 MAY	06 JUN 75	
1975-041F		7880	USSR	21 MAY	09 JUN 75	
1975-041G		7881	USSR	21 MAY	11 JUN 75	
1975-041H		7885	USSR	21 MAY	19 JUN 75	
1975-044A		7818	USSR	24 MAY	26 JUL 75	E*
1975-044B	SOYUZ 18	7819	USSR	24 MAY	27 MAY 75	BB*
1975-044C		7911	USSR	24 MAY	15 MAY 76	
1975-044D		7912	USSR	24 MAY	20 SEP 75	
1975-044E		7948	USSR	24 MAY	28 MAR 76	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1975-044F		7949	USSR	24 MAY	17 JUN 75	
1975-044G		7953	USSR	24 MAY	04 OCT 75	
1975-044H		7955	USSR	24 MAY	01 OCT 75	
1975-044J		7956	USSR	24 MAY	24 SEP 75	
1975-044K		7962	USSR	24 MAY	15 SEP 75	
1975-044L		7984	USSR	24 MAY	12 OCT 75	
1975-044M		8019	USSR	24 MAY	07 OCT 75	
1975-044N		8020	USSR	24 MAY	06 MAR 76	
1975-044P		8021	USSR	24 MAY	09 OCT 75	
1975-044Q		8022	USSR	24 MAY	09 OCT 75	
1975-044R		8023	USSR	24 MAY	29 MAR 76	
1975-044S		8024	USSR	24 MAY	12 FEB 76	
1975-044T		8025	USSR	24 MAY	05 OCT 75	
1975-044U		8038	USSR	24 MAY	20 OCT 75	
1975-046A	COSMOS 740	7821	USSR	28 MAY	10 JUN 75	
1975-046B		7829	USSR	28 MAY	03 JUN 75	
1975-046C		7830	USSR	28 MAY	04 JUN 75	
1975-046D		7920	USSR	28 MAY	18 JUN 75	
1975-046E		7921	USSR	28 MAY	11 JUN 75	
1975-047A	COSMOS 741	7877	USSR	30 MAY	04 JUN 75	
1975-047B		7878	USSR	30 MAY	11 JUN 75	
1975-048A	COSMOS 742	7900	USSR	03 JUN	15 JUN 75	
1975-048B		7901	USSR	03 JUN	11 JUN 75	
1975-048C		7913	USSR	03 JUN	12 JUN 75	
1975-048D		7951	USSR	03 JUN	16 JUN 75	
1975-048E		7952	USSR	03 JUN	15 JUN 75	
1975-049A	MOLNIYA 1-30	7903	USSR	05 JUN	12 AUG 87	
1975-049C		7904	USSR	05 JUN	16 JUL 75	
1975-049D		7905	USSR	05 JUN	09 JUL 75	
1975-049E		7906	USSR	05 JUN	16 AUG 75	
1975-049F		8548	USSR	05 JUN	13 OCT 90	
1975-050B		7916	USSR	08 JUN	09 JUN 75	
1975-050C		7917	USSR	08 JUN	09 JUN 75	
1975-050D		8411	USSR	08 JUN	22 OCT 75	
1975-051A		7918	US	08 JUN	05 NOV 75	
1975-051B		7919	US	08 JUN	11 JUN 75	
1975-052BA		21332	US	08 JUN	31 JUL 91	
1975-052CB		7965	US	12 JUN	01 JUL 81	
1975-052DM		21357	US	12 JUN	18 AUG 92	
1975-052DP		21431	US	12 JUN	05 JUN 91	
1975-052DQ		21432	US	12 JUN	11 DEC 91	
1975-052DU		21436	US	12 JUN	03 MAR 92	
1975-052EH		21449	US	12 JUN	19 DEC 91	
1975-052EK		21451	US	12 JUN	28 AUG 91	
1975-052EP		21455	US	12 JUN	29 OCT 91	
1975-052EQ		21456	US	12 JUN	20 AUG 91	
1975-052FC		21468	US	12 JUN	30 SEP 91	
1975-052FJ		21474	US	12 JUN	12 NOV 91	
1975-052FP		21494	US	12 JUN	05 JUL 91	
1975-052FQ		21495	US	12 JUN	05 AUG 91	
1975-052FX		21502	US	12 JUN	17 AUG 91	
1975-052FY		21503	US	12 JUN	12 NOV 91	
1975-052GA		21507	US	12 JUN	04 AUG 92	
1975-052GC		21507	US	12 JUN	24 OCT 91	
1975-052GD		21508	US	12 JUN	10 AUG 91	
					03 SEP 91	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1975-052GE		21509	US	12 JUN	29 AUG 91	
1975-052GF		21510	US	12 JUN	31 OCT 91	
1975-052GG		21511	US	12 JUN	10 JUL 91	
1975-052GJ		21513	US	12 JUN	04 JAN 92	
1975-052GN		21517	US	12 JUN	29 SEP 91	
1975-052GP		21518	US	12 JUN	29 OCT 91	
1975-052GQ		21519	US	12 JUN	13 NOV 91	
1975-052GR		21520	US	12 JUN	21 NOV 91	
1975-052GT		21522	US	12 JUN	10 NOV 91	
1975-052GV		21539	US	12 JUN	31 AUG 91	
1975-052HG		21562	US	12 JUN	07 AUG 91	
1975-052HH		21563	US	12 JUN	09 OCT 91	
1975-052HJ		21564	US	12 JUN	03 OCT 91	
1975-052HP		21569	US	12 JUN	16 NOV 91	
1975-052HU		21600	US	12 JUN	10 NOV 91	
1975-052HX		21671	US	12 JUN	27 OCT 91	
1975-052HY		21672	US	12 JUN	24 DEC 91	
1975-052HZ		21673	US	12 JUN	11 NOV 91	
1975-052JB		21675	US	12 JUN	01 DEC 91	
1975-052JF		21679	US	12 JUN	19 OCT 91	
1975-052JH		21681	US	12 JUN	06 SEP 91	
1975-052JK		21683	US	12 JUN	17 OCT 92	
1975-052JL		21684	US	12 JUN	28 AUG 91	
1975-052JM		21685	US	12 JUN	01 NOV 91	
1975-052JP		21687	US	12 JUN	08 NOV 91	
1975-053A	COSMOS 743	7925	USSR	12 JUN	25 JUN 75	
1975-053B		7926	USSR	12 JUN	20 JUN 75	
1975-053C		7927	USSR	12 JUN	18 JUN 75	
1975-053D		7972	USSR	12 JUN	29 JUN 75	
1975-053E		7981	USSR	12 JUN	26 JUN 75	
1975-053F		7987	USSR	12 JUN	26 JUN 75	
1975-054B		7950	USSR	14 JUN	15 JUN 75	
1975-054C		7954	USSR	14 JUN	15 JUN 75	
1975-054D		8423	USSR	14 JUN	25 OCT 75	
1975-056A	DESCENT CRAFT	7968	USSR	20 JUN	12 OCT 91	
1975-057A	COSMOS 744	7970	US	21 JUN	09 JUL 86	
1975-057B	OSO 8	7971	US	21 JUN	09 APR 81	
1975-058A		7982	USSR	24 JUN	12 MAR 76	
1975-058B	COSMOS 745	7983	USSR	24 JUN	14 NOV 75	
1975-059A		7985	USSR	25 JUN	08 JUL 75	
1975-059B	COSMOS 746	7986	USSR	25 JUN	01 JUL 75	
1975-059C		7988	USSR	25 JUN	26 JUN 75	
1975-059D		7989	USSR	25 JUN	26 JUN 75	
1975-059E		8011	USSR	25 JUN	12 JUL 75	
1975-059F		8012	USSR	25 JUN	09 JUL 75	
1975-060A		7990	USSR	27 JUN	03 JUL 75	
1975-060B	COSMOS 747	7991	USSR	27 JUN	09 JUL 75	
1975-060C		7992	USSR	27 JUN	03 JUL 75	
1975-060D		7993	USSR	27 JUN	28 JUN 75	
1975-060E		7994	USSR	27 JUN	02 JUL 75	
1975-060F		8013	USSR	27 JUN	29 JUN 75	
1975-060G		8014	USSR	27 JUN	17 JUL 75	
1975-061A		8006	USSR	03 JUL	09 JUL 75	
1975-061B	COSMOS 748	8007	USSR	03 JUL	16 JUL 75	
1975-061C		8008	USSR	03 JUL	09 JUL 75	
1975-061D		8028	USSR	03 JUL	15 JUL 75	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1975-061E		8029	USSR	03 JUL	16 JUL 75	
1975-061F		8034	USSR	03 JUL	17 JUL 75	
1975-062A	COSMOS 749	8009	USSR	04 JUL	26 SEP 80	
1975-062B		8010	USSR	04 JUL	26 DEC 80	
1975-062C		8107	USSR	04 JUL	27 AUG 81	
1975-063B		8016	USSR	08 JUL	09 AUG 75	
1975-063C		8017	USSR	08 JUL	09 AUG 75	
1975-065A	SOYUZ 19	8030	USSR	15 JUL	21 JUL 75	BC*
1975-065B		8031	USSR	15 JUL	17 JUL 75	
1975-066A	APOLLO 18	8032	USSR	15 JUL	24 JUL 75	
1975-066B		8033	US	15 JUL	16 JUL 75	BC*
1975-066C		8042	US	15 JUL	02 AUG 75	
1975-067A	COSMOS 750	8036	USSR	17 JUL	29 SEP 77	
1975-067B		8037	USSR	17 JUL	17 NOV 76	
1975-067C		8045	USSR	17 JUL	28 JUL 76	
1975-068A	COSMOS 751	8040	USSR	23 JUL	04 AUG 75	
1975-068B		8041	USSR	23 JUL	30 JUL 75	
1975-069A	COSMOS 752	8043	USSR	24 JUL	28 FEB 81	
1975-069B		8044	USSR	24 JUL	05 NOV 79	
1975-070A	MAO 3	8053	PRC	26 JUL	14 SEP 75	
1975-070B		8054	PRC	26 JUL	25 AUG 75	
1975-071A	COSMOS 753	8059	USSR	31 JUL	13 AUG 75	
1975-071B		8060	USSR	31 JUL	07 AUG 75	
1975-071C		8061	USSR	31 JUL	01 AUG 75	
1975-071D		8067	USSR	31 JUL	16 AUG 75	
1975-071E		8068	USSR	31 JUL	13 AUG 75	
1975-073A		8069	USSR	13 AUG	26 AUG 75	
1975-073B	COSMOS 754	8070	USSR	13 AUG	25 AUG 75	
1975-073C		8071	USSR	13 AUG	15 AUG 75	
1975-073D		8129	USSR	13 AUG	31 AUG 75	
1975-073E		8130	USSR	13 AUG	27 AUG 75	
1975-073F		8131	USSR	13 AUG	27 AUG 75	
1975-075C	VIKING LANDER 1	9024	US	20 AUG	20 JUL 76	
1975-076A	COSMOS 756	8127	USSR	22 AUG	05 NOV 92	
1975-077D		8135	US	27 AUG	23 SEP 76	
1975-078A		8147	USSR	27 AUG	09 SEP 75	
1975-078B	COSMOS 757	8148	USSR	27 AUG	03 SEP 75	
1975-078C		8149	USSR	27 AUG	02 SEP 75	
1975-078D		8150	USSR	27 AUG	02 SEP 75	
1975-078E		8193	USSR	27 AUG	08 SEP 75	
1975-078F		8194	USSR	27 AUG	11 SEP 75	
1975-079A	MOLNIYA 1-31	8187	USSR	27 AUG	19 NOV 85	
1975-079B		8188	USSR	02 SEP	10 NOV 75	
1975-079C		8189	USSR	02 SEP	01 NOV 75	
1975-079D		8190	USSR	02 SEP	12 OCT 75	
1975-079E		8274	USSR	02 SEP	08 JUL 86	
1975-080A		8191	USSR	05 SEP	25 SEP 75	
1975-080AA		8222	USSR	05 SEP	09 SEP 75	
1975-080AB	COSMOS 758	8223	USSR	05 SEP	09 SEP 75	
1975-080AC		8224	USSR	05 SEP	09 SEP 75	
1975-080AD		8225	USSR	05 SEP	09 SEP 75	
1975-080AE		8226	USSR	05 SEP	09 SEP 75	
1975-080AF		8227	USSR	05 SEP	09 SEP 75	
1975-080AG		8228	USSR	05 SEP	09 SEP 75	
1975-080AH		8229	USSR	05 SEP	09 SEP 75	
1975-080AJ		8230	USSR	05 SEP	09 SEP 75	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1975-080AK	AURA	8231	USSR	05 SEP	09 SEP 75	BE*
1975-080AL		8232	USSR	05 SEP	09 SEP 75	
1975-080AM		8233	USSR	05 SEP	09 SEP 75	
1975-080AN		8234	USSR	05 SEP	09 SEP 75	
1975-080AP		8235	USSR	05 SEP	09 SEP 75	
1975-080AQ		8236	USSR	05 SEP	09 SEP 75	
1975-080AR		8237	USSR	05 SEP	09 SEP 75	
1975-080AS		8238	USSR	05 SEP	09 SEP 75	
1975-080AT		8239	USSR	05 SEP	09 SEP 75	
1975-080AU		8240	USSR	05 SEP	09 SEP 75	
1975-080AV		8241	USSR	05 SEP	09 SEP 75	
1975-080AW		8242	USSR	05 SEP	09 SEP 75	
1975-080AX		8243	USSR	05 SEP	09 SEP 75	
1975-080AY		8244	USSR	05 SEP	09 SEP 75	
1975-080AZ		8245	USSR	05 SEP	09 SEP 75	
1975-080B		8192	USSR	05 SEP	10 SEP 75	
1975-080BA		8246	USSR	05 SEP	09 SEP 75	
1975-080BB		8247	USSR	05 SEP	09 SEP 75	
1975-080BC		8248	USSR	05 SEP	09 SEP 75	
1975-080BD		8249	USSR	05 SEP	09 SEP 75	
1975-080BE		8250	USSR	05 SEP	09 SEP 75	
1975-080BF		8251	USSR	05 SEP	09 SEP 75	
1975-080BG		8252	USSR	05 SEP	09 SEP 75	
1975-080BH		8253	USSR	05 SEP	09 SEP 75	
1975-080BJ		8254	USSR	05 SEP	09 SEP 75	
1975-080BK		8255	USSR	05 SEP	09 SEP 75	
1975-080BL		8256	USSR	05 SEP	09 SEP 75	
1975-080BM		8257	USSR	05 SEP	09 SEP 75	
1975-080BN		8258	USSR	05 SEP	09 SEP 75	
1975-080BP		8259	USSR	05 SEP	09 SEP 75	
1975-080BQ		8260	USSR	05 SEP	09 SEP 75	
1975-080BR		8261	USSR	05 SEP	09 SEP 75	
1975-080BS		8262	USSR	05 SEP	09 SEP 75	
1975-080BT		8263	USSR	05 SEP	09 SEP 75	
1975-080BU		8264	USSR	05 SEP	09 SEP 75	
1975-080BV		8265	USSR	05 SEP	09 SEP 75	
1975-080BW		8266	USSR	05 SEP	09 SEP 75	
1975-080BX		8267	USSR	05 SEP	09 SEP 75	
1975-080BY		8268	USSR	05 SEP	09 SEP 75	
1975-080BZ		8269	USSR	05 SEP	09 SEP 75	
1975-080C		8270	USSR	05 SEP	09 SEP 75	
1975-080CA		8271	USSR	05 SEP	09 SEP 75	
1975-080CB		8272	USSR	05 SEP	09 SEP 75	
1975-080CC		8273	USSR	05 SEP	09 SEP 75	
1975-080CD		8280	USSR	05 SEP	03 OCT 75	
1975-080CE		8283	USSR	05 SEP	26 SEP 75	
1975-080D		8201	USSR	05 SEP	09 SEP 75	
1975-080E		8202	USSR	05 SEP	09 SEP 75	
1975-080F		8203	USSR	05 SEP	09 SEP 75	
1975-080G		8204	USSR	05 SEP	09 SEP 75	
1975-080H		8205	USSR	05 SEP	09 SEP 75	
1975-080J		8206	USSR	05 SEP	09 SEP 75	
1975-080K		8207	USSR	05 SEP	09 SEP 75	
1975-080L		8208	USSR	05 SEP	09 SEP 75	
1975-080M		8209	USSR	05 SEP	09 SEP 75	
1975-080N		8210	USSR	05 SEP	09 SEP 75	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1975-080P		8211	USSR	05 SEP	09 SEP 75	
1975-080Q		8212	USSR	05 SEP	09 SEP 75	
1975-080R		8213	USSR	05 SEP	09 SEP 75	
1975-080S		8214	USSR	05 SEP	09 SEP 75	
1975-080T		8215	USSR	05 SEP	09 SEP 75	
1975-080U		8216	USSR	05 SEP	09 SEP 75	
1975-080V		8217	USSR	05 SEP	09 SEP 75	
1975-080W		8218	USSR	05 SEP	09 SEP 75	
1975-080X		8219	USSR	05 SEP	09 SEP 75	
1975-080Y		8220	USSR	05 SEP	09 SEP 75	
1975-080Z		8221	USSR	05 SEP	09 SEP 75	
1975-081B		8196	USSR	09 SEP	09 OCT 75	
1975-081C		8198	USSR	09 SEP	18 OCT 75	
1975-083C		9408	US	09 SEP	03 SEP 76	
1975-084A	VIKING LANDER 2	8275	USSR	12 SEP	23 SEP 75	BD*
1975-084B	COSMOS 759	8276	USSR	12 SEP	25 SEP 75	
1975-084C		8277	USSR	12 SEP	14 SEP 75	
1975-084D		8278	USSR	12 SEP	17 SEP 75	
1975-084E		8279	USSR	12 SEP	16 SEP 75	
1975-084F		8324	USSR	12 SEP	26 SEP 75	
1975-084G		8329	USSR	12 SEP	30 SEP 75	
1975-085A	COSMOS 760	8281	USSR	16 SEP	21 SEP 75	
1975-085B		8282	USSR	16 SEP	18 SEP 75	
1975-085C		8284	USSR	16 SEP	05 OCT 75	
1975-085D		8334	USSR	16 SEP	30 SEP 75	
1975-085E		8335	USSR	16 SEP	01 OCT 75	
1975-085F		8347	USSR	16 SEP	05 OCT 75	
1975-088A	COSMOS 769	8322	USSR	23 SEP	02 OCT 75	
1975-088B		8323	USSR	23 SEP	13 OCT 75	
1975-088C		8349	USSR	23 SEP	08 OCT 75	
1975-090A	COSMOS 771	8327	USSR	25 SEP	29 SEP 75	
1975-090B		8328	USSR	25 SEP	12 OCT 75	
1975-090C		8355	USSR	25 SEP	08 OCT 75	
1975-090D		8356	USSR	25 SEP	30 SEP 82	
1975-092A	D2-B	8332	FRANCE	27 SEP	30 MAR 82	
1975-092B		8333	FRANCE	27 SEP	17 OCT 78	
1975-092C		8336	FRANCE	27 SEP	16 MAY 78	
1975-092D		8337	FRANCE	27 SEP	27 OCT 78	
1975-092E		8340	FRANCE	27 SEP	01 JAN 80	
1975-092F		8341	FRANCE	27 SEP	20 NOV 79	
1975-093A	COSMOS 772	8342	USSR	29 SEP	02 OCT 75	
1975-093B		8338	USSR	29 SEP	06 OCT 75	
1975-095A	COSMOS 774	8345	USSR	01 OCT	15 OCT 75	
1975-095B		8348	USSR	01 OCT	10 OCT 75	
1975-095C		8350	USSR	01 OCT	08 OCT 75	
1975-095D		8351	USSR	01 OCT	14 OCT 75	
1975-095E		8362	USSR	01 OCT	16 OCT 75	
1975-095G		8363	USSR	01 OCT	12 MAR 76	
1975-096A	EXPLORER 54	8365	US	06 OCT	01 APR 76	
1975-096B		8354	US	06 OCT	10 OCT 75	
1975-097B		8358	USSR	08 OCT	09 OCT 75	
1975-097C		8359	USSR	08 OCT	01 MAR 78	
1975-097D		8414	USSR	08 OCT	17 OCT 78	
1975-097E		8415	USSR	08 OCT		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1975-098A	TIP 2	8360	US	09 OCT	30 NOV 75	
1975-099A		8361	US	12 OCT	26 MAY 91	
1975-099B		8364	US	12 OCT	28 MAR 78	
1975-099C		8409	US	12 OCT	12 NOV 78	
1975-099D		8410	US	12 OCT	31 MAY 76	
1975-100B	COSMOS 776	8367	US	16 OCT	05 JAN 76	
1975-100D		8371	US	16 OCT	11 NOV 75	
1975-100E		8372	US	16 OCT	01 NOV 75	
1975-101A		8369	USSR	17 OCT	29 OCT 75	
1975-101B		8370	USSR	17 OCT	23 OCT 75	
1975-101C	COSMOS 777	8373	USSR	17 OCT	08 NOV 75	
1975-101D		8412	USSR	17 OCT	01 NOV 75	
1975-101E		8413	USSR	17 OCT	31 OCT 75	
1975-102A		8416	USSR	29 OCT	03 JUN 76	
1975-102AA		8644	USSR	29 OCT	08 JAN 77	
1975-102AB		8647	USSR	29 OCT	05 JUN 78	
1975-102AC		8648	USSR	29 OCT	18 APR 79	
1975-102AD		8649	USSR	29 OCT	18 JUN 77	
1975-102AE		8650	USSR	29 OCT	27 MAR 76	
1975-102AF		8651	USSR	29 OCT	16 MAR 77	
1975-102AG	BF*	8652	USSR	29 OCT	20 NOV 76	
1975-102AH		8653	USSR	29 OCT	13 DEC 76	
1975-102AJ		8654	USSR	29 OCT	15 NOV 76	
1975-102AK		8655	USSR	29 OCT	26 JAN 77	
1975-102AL		8656	USSR	29 OCT	30 OCT 77	
1975-102AM		8657	USSR	29 OCT	13 DEC 76	
1975-102AN		8711	USSR	29 OCT	14 DEC 76	
1975-102AP		8712	USSR	29 OCT	01 MAY 77	
1975-102AQ		8713	USSR	29 OCT	01 APR 76	
1975-102AR		8714	USSR	29 OCT	20 NOV 76	
1975-102AS		8715	USSR	29 OCT	09 FEB 77	
1975-102AT		8716	USSR	29 OCT	04 DEC 76	
1975-102AU		8717	USSR	29 OCT	23 FEB 77	
1975-102AV		8718	USSR	29 OCT	13 DEC 76	
1975-102AW		8719	USSR	29 OCT	13 DEC 76	
1975-102AX		8720	USSR	29 OCT	25 FEB 77	
1975-102AY		8721	USSR	29 OCT	03 MAR 76	
1975-102AZ		8722	USSR	29 OCT	07 DEC 76	
1975-102B		8417	USSR	29 OCT	30 OCT 75	
1975-102BA		8723	USSR	29 OCT	14 APR 77	
1975-102BB		8724	USSR	29 OCT	15 NOV 76	
1975-102BC		8725	USSR	29 OCT	02 APR 76	
1975-102BD		8726	USSR	29 OCT	20 APR 76	
1975-102BE		8727	USSR	29 OCT	15 NOV 76	
1975-102BF		8728	USSR	29 OCT	29 MAR 76	
1975-102BG		8729	USSR	29 OCT	15 NOV 76	
1975-102BH		8730	USSR	29 OCT	29 MAR 76	
1975-102BJ		8731	USSR	29 OCT	08 JAN 77	
1975-102BK		8732	USSR	29 OCT	13 DEC 76	
1975-102BL		8733	USSR	29 OCT	05 NOV 77	
1975-102BM		8734	USSR	29 OCT	08 SEP 76	
1975-102BN		8735	USSR	29 OCT	08 JAN 77	
1975-102BP		8736	USSR	29 OCT	27 JAN 77	
1975-102BQ		9563	USSR	29 OCT	25 APR 76	
1975-102C		8622	USSR	29 OCT	09 JUN 77	
1975-102D		8623	USSR	29 OCT	27 NOV 76	
				29 OCT	04 DEC 76	
				29 OCT	13 DEC 76	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1975-102E		8624	USSR	29 OCT	15 NOV 76	
1975-102F		8625	USSR	29 OCT	15 MAR 76	
1975-102G		8626	USSR	29 OCT	08 JAN 77	
1975-102H		8627	USSR	29 OCT	23 FEB 77	
1975-102J		8628	USSR	29 OCT	15 NOV 76	
1975-102K		8629	USSR	29 OCT	15 NOV 76	
1975-102L		8630	USSR	29 OCT	19 AUG 76	
1975-102M		8631	USSR	29 OCT	21 AUG 77	
1975-102N		8632	USSR	29 OCT	20 JUL 77	
1975-102P		8633	USSR	29 OCT	09 DEC 76	
1975-102Q		8634	USSR	29 OCT	04 DEC 76	
1975-102R		8635	USSR	29 OCT	15 NOV 76	
1975-102S		8636	USSR	29 OCT	20 JAN 77	
1975-102T		8637	USSR	29 OCT	04 APR 77	
1975-102U		8638	USSR	29 OCT	14 MAR 76	
1975-102V		8639	USSR	29 OCT	04 DEC 76	
1975-102W		8640	USSR	29 OCT	15 NOV 76	
1975-102X		8641	USSR	29 OCT	30 JUN 77	
1975-102Y		8642	USSR	29 OCT	15 NOV 76	
1975-102Z		8643	USSR	29 OCT	04 DEC 76	
1975-104A	COSMOS 779	8420	USSR	04 NOV	18 NOV 75	
1975-104B		8422	USSR	04 NOV	10 NOV 75	
1975-104C		8428	USSR	04 NOV	19 NOV 75	
1975-104D		8429	USSR	04 NOV	17 NOV 75	
1975-105B		8426	USSR	14 NOV	15 DEC 75	
1975-105C		8427	USSR	14 NOV	05 DEC 75	
1975-106A		8430	USSR	17 NOV	16 FEB 76	
1975-106B		8431	USSR	17 NOV	20 NOV 75	
1975-107A	SOYUZ 20	8440	US	20 NOV	10 JUN 81	
1975-107B	EXPLORER 55	8441	US	20 NOV	19 MAR 76	
1975-108A		8442	USSR	21 NOV	03 DEC 75	
1975-108B	COSMOS 780	8443	USSR	21 NOV	27 NOV 75	
1975-108C		8446	USSR	21 NOV	22 NOV 75	
1975-108D		8460	USSR	21 NOV	11 DEC 75	
1975-108E		8461	USSR	21 NOV	02 DEC 75	
1975-109A		8444	USSR	21 NOV	26 NOV 80	
1975-109B		8445	USSR	21 NOV	20 DEC 80	
1975-109C		8447	USSR	21 NOV	28 JUN 78	
1975-109D		8448	USSR	21 NOV	25 NOV 77	
1975-109E		8449	USSR	21 NOV	09 OCT 77	
1975-109F		8776	USSR	21 NOV	18 NOV 77	
1975-109G		8777	USSR	21 NOV	18 JUL 78	
1975-109H		9693	USSR	21 NOV	11 SEP 77	
1975-109J		9994	USSR	21 NOV	11 FEB 78	
1975-109K		9995	USSR	21 NOV	12 JAN 78	
1975-109L		10433	USSR	21 NOV	19 MAY 78	
1975-110A	COSMOS 782	8450	USSR	25 NOV	15 DEC 75	
1975-110B		8451	USSR	25 NOV	23 DEC 75	
1975-110C		8486	USSR	25 NOV	31 DEC 75	
1975-110D		8487	USSR	25 NOV	10 FEB 76	
1975-110E		8518	USSR	25 NOV	26 JAN 76	
1975-111A	MAO 4	8452	PRC	26 NOV	29 DEC 75	
1975-111B		8453	PRC	26 NOV	22 DEC 75	
1975-111C		8454	PRC	26 NOV	29 NOV 75	
1975-111D		8455	PRC	26 NOV	28 NOV 75	
1975-111E		8456	PRC	26 NOV	28 NOV 75	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1975-111F	COSMOS 784	8457	PRC	26 NOV	28 NOV 75	
1975-113A		8463	USSR	03 DEC	15 DEC 75	
1975-113B		8464	USSR	03 DEC	07 DEC 75	
1975-113C		8465	USSR	03 DEC	04 DEC 75	
1975-113D		8466	USSR	03 DEC	08 DEC 75	
1975-113E		8481	USSR	03 DEC	15 DEC 75	
1975-113F		8484	USSR	03 DEC	20 DEC 75	
1975-113G		8485	USSR	03 DEC	21 DEC 75	
1975-114A		8467	US	04 DEC	01 APR 76	
1975-114B		8468	US	04 DEC	01 MAY 78	
1975-114C	INTERCOSMOS 14	8469	US	04 DEC	06 DEC 75	
1975-114D		8470	US	04 DEC	03 JUN 76	
1975-115A		8471	USSR	11 DEC	27 FEB 83	
1975-115B		8472	USSR	11 DEC	28 NOV 82	
1975-115C		8474	USSR	11 DEC	11 NOV 78	
1975-115D		8475	USSR	11 DEC	30 MAY 82	
1975-115E		8765	USSR	11 DEC	13 APR 81	
1975-115F		8766	USSR	11 DEC	29 MAY 78	
1975-116B		8477	USSR	12 DEC	14 DEC 75	
1975-116C		8480	USSR	12 DEC	05 FEB 76	
1975-117B	MAO 5	8478	US	13 DEC	07 AUG 76	
1975-117C		8479	US	13 DEC	10 NOV 82	
1975-118B		8483	US	14 DEC	19 DEC 75	
1975-119A		8488	PRC	16 DEC	27 JAN 76	
1975-119B		8491	PRC	16 DEC	10 JAN 76	
1975-120A		8489	USSR	16 DEC	29 DEC 75	
1975-120B		8490	USSR	16 DEC	21 DEC 75	
1975-120C		8523	USSR	16 DEC	03 JAN 76	
1975-120D		8524	USSR	16 DEC	29 DEC 75	
1975-120E		8528	USSR	16 DEC	30 DEC 75	
1975-121B	MOLNIYA 3-4	8493	USSR	17 DEC	14 JAN 76	
1975-121C		8494	USSR	17 DEC	11 JAN 76	
1975-121D		8529	USSR	17 DEC	13 OCT 86	
1975-122B		8511	USSR	22 DEC	22 FEB 76	
1975-122C		8512	USSR	22 DEC	09 FEB 76	
1975-123B		8514	USSR	22 DEC	22 DEC 75	
1975-123C		8515	USSR	22 DEC	25 DEC 75	
1975-125A		8521	USSR	27 DEC	12 AUG 86	
1975-125B		8522	USSR	27 DEC	23 JAN 76	
1975-125C		8525	USSR	27 DEC	19 JAN 76	
1975-125D	1976 LAUNCHES	8526	USSR	27 DEC	28 DEC 75	
1975-125E		8527	USSR	27 DEC	08 JAN 76	
1975-125F		8600	USSR	27 DEC	30 JUL 86	
1976-001A		8530	USSR	06 JAN	12 DEC 80	
1976-001B		8531	USSR	06 JAN	15 MAR 81	
1976-001C		8549	USSR	06 JAN	20 OCT 77	
1976-001D		8550	USSR	06 JAN	24 MAR 77	
1976-001E		9731	USSR	06 JAN	15 JUL 78	
1976-001F		9790	USSR	06 JAN	05 AUG 77	
1976-001G		9791	USSR	06 JAN	01 DEC 77	
1976-001H	213	9792	USSR	06 JAN	12 DEC 77	
1976-001J		9837	US:R	06 JAN	27 AUG 77	
1976-001K		9838	USSR	06 JAN	30 JUL 77	

DECAYED OBJECTS				LAUNCH		DECAY		NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE					
1976-002A	COSMOS 788	8551	USSR	07 JAN	20 JAN 76			
1976-002B		8552	USSR	07 JAN	14 JAN 76			
1976-002C		8553	USSR	07 JAN	12 JAN 76			
1976-002D		8588	USSR	07 JAN	27 JAN 76			
1976-002E		8589	USSR	07 JAN	23 JAN 76			
1976-002F		8590	USSR	07 JAN	20 JAN 76			
1976-004B		8586	US	17 JAN	14 FEB 76			
1976-004C		8587	US	17 JAN	14 APR 76			
1976-004D		8598	US	17 JAN	17 MAY 77			
1976-006B		8602	USSR	22 JAN	02 APR 76			
1976-006C		8603	USSR	22 JAN	19 APR 76			
1976-007A	COSMOS 790	8604	USSR	22 JAN	12 NOV 80			
1976-007B		8605	USSR	22 JAN	09 DEC 80			
1976-009A	COSMOS 799	8616	USSR	29 JAN	10 FEB 76			
1976-009B		8617	USSR	29 JAN	11 FEB 76			
1976-009C		8618	USSR	29 JAN	31 JAN 76			
1976-009D		8619	USSR	29 JAN	09 FEB 76			
1976-012A	COSMOS 801	8658	USSR	05 FEB	05 JAN 78			
1976-012B		8659	USSR	05 FEB	24 MAR 77			
1976-012C		8660	USSR	05 FEB	14 APR 77			
1976-012D		8661	USSR	05 FEB	28 JUL 76			
1976-012E		8662	USSR	05 FEB	11 OCT 76			
1976-012F		8663	USSR	05 FEB	05 APR 76			
1976-012G		8664	USSR	05 FEB	11 OCT 76			
1976-012H		8665	USSR	05 FEB	17 AUG 76			
1976-012J		8666	USSR	05 FEB	14 JUN 76			
1976-012K		8667	USSR	05 FEB	18 MAR 76			
1976-012L		8668	USSR	05 FEB	11 OCT 76			
1976-012M		8669	USSR	05 FEB	11 OCT 76			
1976-012N		8670	USSR	05 FEB	28 JUL 76			
1976-012P		8671	USSR	05 FEB	11 OCT 76			
1976-012Q		8672	USSR	05 FEB	11 OCT 76			
1976-012R		8673	USSR	05 FEB	25 SEP 76			
1976-012S		8674	USSR	05 FEB	21 JUN 76			
1976-013A	COSMOS 802	8681	USSR	11 FEB	25 FEB 76			
1976-013B		8686	USSR	11 FEB	17 FEB 76			
1976-013C		8706	USSR	11 FEB	25 FEB 76			
1976-013D		8707	USSR	11 FEB	29 FEB 76			
1976-013E		8708	USSR	11 FEB	26 FEB 76			
1976-014B		8689	USSR	12 FEB	09 NOV 83			
1976-014C		8690	USSR	12 FEB	09 DEC 81			
1976-015A	COSMOS 804	8694	USSR	16 FEB	16 FEB 76			
1976-015B		8695	USSR	16 FEB	26 FEB 76			
1976-016A		8696	US	19 FEB	19 FEB 76			
1976-017B		8698	US	19 FEB	16 MAR 76			
1976-017D		8704	US	19 FEB	02 MAR 76			
1976-017E		8705	US	19 FEB	29 FEB 76			
1976-018A	COSMOS 805	8699	USSR	20 FEB	11 MAR 76			
1976-018B		8700	USSR	20 FEB	27 FEB 76			
1976-018C		8703	USSR	20 FEB	22 FEB 76			
1976-020A	COSMOS 806	8737	USSR	10 MAR	23 MAR 76			
1976-020B		8738	USSR	10 MAR	15 MAR 76			
1976-020C		8768	USSR	10 MAR	30 MAR 76			
1976-020D		8769	USSR	10 MAR	26 MAR 76			
1976-020E		8771	USSR	10 MAR	25 MAR 76			
1976-021A	MOLNIYA 1-33	8741	USSR	11 MAR	10 OCT 90			

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1976-021B		8742	USSR	11 MAR	13 APR 76	
1976-021C		8743	USSR	11 MAR	05 APR 76	
1976-021D		9411	USSR	11 MAR	01 JUL 91	
1976-023E		8750	US	15 MAR	15 MAR 76	
1976-025A	COSMOS 809	8758	USSR	18 MAR	30 MAR 76	
1976-025B		8759	USSR	18 MAR	26 MAR 76	
1976-025C		8760	USSR	18 MAR	19 MAR 76	
1976-025D		8761	USSR	18 MAR	19 MAR 76	
1976-026A	MOLNIYA 1-34	8762	USSR	19 MAR	14 MAY 85	
1976-026B		8763	USSR	19 MAR	27 APR 76	
1976-026C		8767	USSR	19 MAR	07 MAY 76	
1976-026D		8792	USSR	19 MAR	02 APR 78	
1976-027A		8770	US	22 MAR	18 MAY 76	
1976-028A	COSMOS 810	8772	USSR	26 MAR	08 APR 76	
1976-028B		8773	USSR	26 MAR	01 APR 76	
1976-028C		8796	USSR	26 MAR	07 APR 76	
1976-028D		8797	USSR	26 MAR	10 APR 76	
1976-028E		8798	USSR	26 MAR	07 APR 76	
1976-029B		8775	US	26 MAR	02 DEC 76	
1976-029C		8793	US	26 MAR	28 JUN 78	
1976-030A	COSMOS 811	8781	USSR	31 MAR	12 APR 76	
1976-030B		8782	USSR	31 MAR	10 APR 76	
1976-030C		8783	USSR	31 MAR	13 APR 76	
1976-030D		8803	USSR	31 MAR	14 APR 76	
1976-030E		8804	USSR	31 MAR	15 APR 76	
1976-030F		8805	USSR	31 MAR	15 APR 76	
1976-031A	COSMOS 812	8794	USSR	06 APR	30 OCT 80	
1976-031B		8795	USSR	06 APR	05 JAN 81	
1976-031C		8796	USSR	06 APR	18 JUL 78	
1976-031D		9990	USSR	06 APR	27 FEB 78	
1976-033A	COSMOS 813	8801	USSR	09 APR	21 APR 76	
1976-033B		8802	USSR	09 APR	14 APR 76	
1976-034A	COSMOS 814	8806	USSR	13 APR	13 APR 76	
1976-034B		8807	USSR	13 APR	16 APR 76	
1976-035B		8809	US	22 APR	30 MAY 76	
1976-035C		8810	US	22 APR	18 OCT 77	
1976-036A	COSMOS 815	8811	USSR	28 APR	11 MAY 76	
1976-036B		8813	USSR	28 APR	02 MAY 76	
1976-036C		8815	USSR	28 APR	01 MAY 76	
1976-036D		8816	USSR	28 APR	03 MAY 76	
1976-036E		8817	USSR	28 APR	20 MAY 76	
1976-036F		8830	USSR	28 APR	13 MAY 76	
1976-036G		8831	USSR	28 APR	15 MAY 76	
1976-036H		8841	USSR	28 APR	24 NOV 79	
1976-037A	COSMOS 816	8812	USSR	28 APR	17 OCT 77	
1976-037AA		9514	USSR	28 APR	16 NOV 79	
1976-037B		8814	USSR	28 APR	12 JUL 77	
1976-037C		8885	USSR	28 APR	26 JUL 77	
1976-037D		8886	USSR	28 APR	12 JUN 77	
1976-037E		9396	USSR	28 APR	17 SEP 77	
1976-037F		9397	USSR	28 APR	09 AUG 77	
1976-037G		9428	USSR	28 APR	10 AUG 77	
1976-037H		9429	USSR	28 APR	29 AUG 77	
1976-037J		9430	USSR	28 APR	24 AUG 77	
1976-037K		9431	USSR	28 APR	20 SEP 77	
1976-037L		9432	USSR	28 APR		

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DECAYED OBJECTS			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1976-037M		9438	USSR	28 APR	19 AUG 77
1976-037N		9475	USSR	28 APR	02 SEP 77
1976-037P		9476	USSR	28 APR	16 SEP 77
1976-037Q		9485	USSR	28 APR	28 OCT 77
1976-037R		9487	USSR	28 APR	07 SEP 77
1976-037S		9488	USSR	28 APR	27 SEP 77
1976-037T		9489	USSR	28 APR	24 SEP 77
1976-037U		9490	USSR	28 APR	15 SEP 77
1976-037V		9507	USSR	28 APR	01 AUG 77
1976-037W		9508	USSR	28 APR	17 SEP 77
1976-037X		9511	USSR	28 APR	12 OCT 77
1976-037Y		9512	USSR	28 APR	03 SEP 77
1976-037Z		9513	USSR	28 APR	17 SEP 77
1976-039B		8821	US	04 MAY	22 SEP 91
1976-040A	COSMOS 817	8823	USSR	05 MAY	18 MAY 76
1976-040B		8824	USSR	05 MAY	10 MAY 76
1976-040C		8825	USSR	05 MAY	06 MAY 76
1976-040D		8848	USSR	05 MAY	24 MAY 76
1976-040E		8849	USSR	05 MAY	19 MAY 76
1976-040F		8850	USSR	05 MAY	18 MAY 76
1976-041B		8834	USSR	12 MAY	05 AUG 76
1976-041C		8837	USSR	12 MAY	08 SEP 76
1976-041E		8847	USSR	12 MAY	04 JUL 76
1976-044A	COSMOS 818	8851	USSR	18 MAY	07 MAR 77
1976-044B		8852	USSR	18 MAY	28 OCT 76
1976-045A	COSMOS 819	8853	USSR	20 MAY	01 JUN 76
1976-045B		8854	USSR	20 MAY	30 MAY 76
1976-045C		8855	USSR	20 MAY	22 MAY 76
1976-046A	COSMOS 820	8856	USSR	21 MAY	02 JUN 76
1976-046B		8857	USSR	21 MAY	24 MAY 76
1976-046C		8858	USSR	21 MAY	21 MAY 76
1976-046D		8869	USSR	21 MAY	04 JUN 76
1976-046E		8870	USSR	21 MAY	10 JUN 76
1976-048A	COSMOS 821	8862	USSR	26 MAY	08 JUN 76
1976-048B		8863	USSR	26 MAY	07 JUN 76
1976-048C		8864	USSR	26 MAY	14 JUN 76
1976-048D		8875	USSR	26 MAY	09 JUN 76
1976-048E		8876	USSR	26 MAY	09 JUN 76
1976-048F		8879	USSR	26 MAY	09 JUN 76
1976-049A	COSMOS 822	8865	USSR	28 MAY	08 AUG 78
1976-049B		8866	USSR	28 MAY	23 DEC 77
1976-052A	COSMOS 824	8877	USSR	08 JUN	21 JUN 76
1976-052B		8878	USSR	08 JUN	20 JUN 76
1976-052C		8880	USSR	08 JUN	16 JUN 76
1976-052D		8881	USSR	08 JUN	10 JUN 76
1976-052E		8905	USSR	08 JUN	27 JUN 76
1976-052F		8906	USSR	08 JUN	23 JUN 76
1976-053B		8907	USSR	08 JUN	22 JUN 76
1976-053C		8883	US	10 JUN	25 AUG 77
1976-053D		8887	US	10 JUN	02 JUL 76
1976-053E		8888	US	10 JUN	30 JUN 76
1976-055A	COSMOS 833	8902	US	10 JUN	01 JUL 76
1976-055B		8898	USSR	16 JUN	29 JUN 76
1976-055C		8899	USSR	16 JUN	23 JUN 76
1976-055D		8900	USSR	16 JUN	17 JUN 76
1976-055D		8901	USSR	16 JUN	21 JUN 76

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAY	NOTES
			SOURCE			
1976-055E		8920	USSR	16 JUN	08 JUL 76	
1976-055F		8921	USSR	16 JUN	01 JUL 76	
1976-055G		8926	USSR	16 JUN	30 JUN 76	
1976-056A	INTERCOSMOS 15	8903	USSR	19 JUN	18 NOV 79	
1976-056B		8904	USSR	19 JUN	15 JAN 80	
1976-057A	SALYUT 5	8911	USSR	22 JUN	08 AUG 77	
1976-057B		8912	USSR	22 JUN	30 JUN 76	
1976-057C		8913	USSR	22 JUN	24 JUN 76	
1976-057D		9059	USSR	22 JUN	13 AUG 76	
1976-057E		9060	USSR	22 JUN	13 AUG 76	
1976-057F		9275	USSR	22 JUN	17 AUG 76	
1976-057G		9276	USSR	22 JUN	05 SEP 76	
1976-057H		9277	USSR	22 JUN	05 SEP 76	
1976-057J		9385	USSR	22 JUN	13 SEP 76	
1976-057K		9386	USSR	22 JUN	22 AUG 76	
1976-058A	COSMOS 834	8914	USSR	24 JUN	06 JUL 76	
1976-058B		8915	USSR	26 JUN	30 JUN 76	
1976-059B	COSMOS 835	8917	US	29 JUN	12 JUL 76	
1976-060A		8922	USSR	29 JUN	04 JUL 76	
1976-060B		8925	USSR	29 JUN	20 JUL 76	
1976-060C		9014	USSR	29 JUN	14 JUL 76	
1976-060D		9015	USSR	29 JUN	16 JUL 76	
1976-060E		9018	USSR	01 JUL	18 NOV 83	
1976-062A	COSMOS 837	8927	USSR	01 JUL	05 AUG 76	
1976-062B		8928	USSR	01 JUL	21 JUL 76	
1976-062C		8929	USSR	01 JUL	20 JUL 76	
1976-062D		8930	USSR	01 JUL	26 SEP 82	
1976-062E		8931	USSR	01 JUL	23 AUG 77	
1976-063A	COSMOS 838	8932	USSR	02 JUL	05 SEP 77	
1976-063AA		10099	USSR	02 JUL	29 OCT 77	
1976-063AB		10100	USSR	02 JUL	20 SEP 77	
1976-063AC		10101	USSR	02 JUL	25 OCT 77	
1976-063AD		10102	USSR	02 JUL	03 JUL 78	
1976-063AE		10103	USSR	02 JUL	19 JUN 78	
1976-063AF		10104	USSR	02 JUL	17 AUG 77	
1976-063AG		10105	USSR	02 JUL	18 APR 78	
1976-063AH		10106	USSR	02 JUL	03 SEP 77	
1976-063AJ		10107	USSR	02 JUL	27 AUG 77	
1976-063AK		10108	USSR	02 JUL	22 SEP 77	
1976-063AL		10109	USSR	02 JUL	03 SEP 78	
1976-063AM		10110	USSR	02 JUL	09 NOV 77	
1976-063AN		10122	USSR	02 JUL	18 AUG 77	
1976-063AP		10123	USSR	02 JUL	17 AUG 77	
1976-063AQ		10124	USSR	02 JUL	28 JUL 77	
1976-063AR		10125	USSR	02 JUL	12 JAN 78	
1976-063AS		10126	USSR	02 JUL	03 JUL 76	
1976-063B		8933	USSR	02 JUL	13 SEP 77	
1976-063C		10047	USSR	02 JUL	14 AUG 77	
1976-063D		10048	USSR	02 JUL	10 APR 78	
1976-063E		10049	USSR	02 JUL	23 JUL 77	
1976-063F		10050	USSR	02 JUL	01 NOV 77	
1976-063G		10051	USSR	02 JUL	25 MAR 78	
1976-063H		10052	USSR	02 JUL	15 NOV 77	
1976-063J		10053	USSR	02 JUL	08 AUG 78	
1976-063K		10054	USSR	02 JUL	02 DEC 77	
1976-063L		10055	USSR	02 JUL		

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAY	NOTES
1976-063M		10056	USSR	02 JUL	03 NOV 77	
1976-063N		10057	USSR	02 JUL	15 APR 78	
1976-063P		10058	USSR	02 JUL	20 SEP 77	
1976-063Q		10076	USSR	02 JUL	13 FEB 78	
1976-063R		10077	USSR	02 JUL	12 MAR 78	
1976-063S		10078	USSR	02 JUL	16 NOV 77	
1976-063T		10079	USSR	02 JUL	03 OCT 77	
1976-063U		10080	USSR	02 JUL	19 SEP 78	
1976-063V		10081	USSR	02 JUL	18 APR 78	
1976-063W		10082	USSR	02 JUL	23 SEP 77	
1976-063X		10083	USSR	02 JUL	27 JUL 77	
1976-063Y		10097	USSR	02 JUL	03 MAR 78	
1976-063Z		10098	USSR	02 JUL	23 JUL 77	
1976-064A		8934	USSR	06 JUL	24 AUG 76	
1976-064B		8935	US	06 JUL	09 JUL 76	
1976-065A		9006	US	08 JUL	13 DEC 76	
1976-065B		9007	US	08 JUL	24 APR 86	
1976-065D		9010	US	08 JUL	10 JUL 76	
1976-066B		9012	US	08 JUL	10 JUL 76	
1976-067AL		10467	USSR	08 JUL	03 JUN 82	
1976-067BH		15523	USSR	08 JUL	03 JAN 90	
1976-067BQ		18673	USSR	08 JUL	10 SEP 88	
1976-068A		9019	USSR	14 JUL	26 JUL 76	
1976-068B		9020	USSR	14 JUL	25 JUL 76	
1976-068C		9021	USSR	14 JUL	17 JUL 76	
1976-071A		9043	USSR	21 JUL	21 JUL 76	
1976-071B		9045	USSR	21 JUL	23 JUL 76	
1976-072A		9046	USSR	22 JUL	30 AUG 76	
1976-072AA		9086	USSR	22 JUL	02 AUG 76	
1976-072AB		9087	USSR	22 JUL	02 AUG 76	
1976-072AC		9088	USSR	22 JUL	02 AUG 76	
1976-072AD		9089	USSR	22 JUL	02 AUG 76	
1976-072AE		9090	USSR	22 JUL	02 AUG 76	
1976-072AF		9091	USSR	22 JUL	02 AUG 76	
1976-072AG		9092	USSR	22 JUL	02 AUG 76	
1976-072AH		9093	USSR	22 JUL	02 AUG 76	
1976-072AJ		9094	USSR	22 JUL	02 AUG 76	
1976-072AK		9095	USSR	22 JUL	02 AUG 76	
1976-072AL		9096	USSR	22 JUL	02 AUG 76	
1976-072AM		9097	USSR	22 JUL	02 AUG 76	
1976-072AN		9098	USSR	22 JUL	02 AUG 76	
1976-072AP		9099	USSR	22 JUL	02 AUG 76	
1976-072AQ		9100	USSR	22 JUL	02 AUG 76	
1976-072AR		9101	USSR	22 JUL	02 AUG 76	
1976-072AS		9102	USSR	22 JUL	02 AUG 76	
1976-072AT		9103	USSR	22 JUL	02 AUG 76	
1976-072AU		9104	USSR	22 JUL	02 AUG 76	
1976-072AV		9105	USSR	22 JUL	02 AUG 76	
1976-072AW		9106	USSR	22 JUL	02 AUG 76	
1976-072AX		9107	USSR	22 JUL	02 AUG 76	
1976-072AY		9108	USSR	22 JUL	02 AUG 76	
1976-072AZ		9109	USSR	22 JUL	02 AUG 76	
1976-072BA		9048	USSR	22 JUL	30 JUL 76	
1976-072BB		9110	USSR	22 JUL	02 AUG 76	
1976-072BC		9111	USSR	22 JUL	02 AUG 76	
		9112	USSR	22 JUL	02 AUG 76	
	SOYUZ 21					E*
	COSMOS 840					
	COSMOS 843					
	COSMOS 844					
						BK*

DECAYED OBJECTS			NOTES			
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1976-072BD		9113	USSR	22 JUL	02 AUG 76	
1976-072BE		9114	USSR	22 JUL	02 AUG 76	
1976-072BF		9115	USSR	22 JUL	02 AUG 76	
1976-072BG		9116	USSR	22 JUL	02 AUG 76	
1976-072BH		9117	USSR	22 JUL	02 AUG 76	
1976-072BJ		9118	USSR	22 JUL	02 AUG 76	
1976-072BK		9119	USSR	22 JUL	02 AUG 76	
1976-072BL		9120	USSR	22 JUL	02 AUG 76	
1976-072BM		9121	USSR	22 JUL	02 AUG 76	
1976-072BN		9122	USSR	22 JUL	02 AUG 76	
1976-072BP		9123	USSR	22 JUL	02 AUG 76	
1976-072BQ		9124	USSR	22 JUL	02 AUG 76	
1976-072BR		9125	USSR	22 JUL	02 AUG 76	
1976-072BS		9126	USSR	22 JUL	02 AUG 76	
1976-072BT		9127	USSR	22 JUL	02 AUG 76	
1976-072BU		9128	USSR	22 JUL	02 AUG 76	
1976-072BV		9129	USSR	22 JUL	02 AUG 76	
1976-072BW		9130	USSR	22 JUL	02 AUG 76	
1976-072BX		9131	USSR	22 JUL	02 AUG 76	
1976-072BY		9132	USSR	22 JUL	02 AUG 76	
1976-072BZ		9133	USSR	22 JUL	02 AUG 76	
1976-072C		9064	USSR	22 JUL	02 AUG 76	
1976-072CA		9134	USSR	22 JUL	02 AUG 76	
1976-072CB		9135	USSR	22 JUL	02 AUG 76	
1976-072CC		9136	USSR	22 JUL	02 AUG 76	
1976-072CD		9137	USSR	22 JUL	02 AUG 76	
1976-072CE		9138	USSR	22 JUL	02 AUG 76	
1976-072CF		9139	USSR	22 JUL	02 AUG 76	
1976-072CG		9140	USSR	22 JUL	02 AUG 76	
1976-072CH		9141	USSR	22 JUL	02 AUG 76	
1976-072CJ		9142	USSR	22 JUL	02 AUG 76	
1976-072CK		9143	USSR	22 JUL	02 AUG 76	
1976-072CL		9144	USSR	22 JUL	02 AUG 76	
1976-072CM		9145	USSR	22 JUL	02 AUG 76	
1976-072CN		9146	USSR	22 JUL	02 AUG 76	
1976-072CP		9147	USSR	22 JUL	02 AUG 76	
1976-072CQ		9148	USSR	22 JUL	02 AUG 76	
1976-072CR		9149	USSR	22 JUL	02 AUG 76	
1976-072CS		9150	USSR	22 JUL	02 AUG 76	
1976-072CT		9151	USSR	22 JUL	02 AUG 76	
1976-072CU		9152	USSR	22 JUL	02 AUG 76	
1976-072CV		9153	USSR	22 JUL	02 AUG 76	
1976-072CW		9154	USSR	22 JUL	02 AUG 76	
1976-072CX		9155	USSR	22 JUL	02 AUG 76	
1976-072CY		9156	USSR	22 JUL	02 AUG 76	
1976-072CZ		9157	USSR	22 JUL	02 AUG 76	
1976-072D		9065	USSR	22 JUL	02 AUG 76	
1976-072DA		9158	USSR	22 JUL	02 AUG 76	
1976-072DB		9159	USSR	22 JUL	02 AUG 76	
1976-072DC		9160	USSR	22 JUL	02 AUG 76	
1976-072DD		9161	USSR	22 JUL	02 AUG 76	
1976-072DE		9162	USSR	22 JUL	02 AUG 76	
1976-072DF		9163	USSR	22 JUL	02 AUG 76	
1976-072DG		9164	USSR	22 JUL	02 AUG 76	
1976-072DH		9165	USSR	22 JUL	02 AUG 76	
1976-072DJ		9166	USSR	22 JUL	02 AUG 76	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1976-072DK		9167	USSR	22 JUL	02 AUG 76	
1976-072DL		9168	USSR	22 JUL	02 AUG 76	
1976-072DM		9169	USSR	22 JUL	02 AUG 76	
1976-072DN		9170	USSR	22 JUL	02 AUG 76	
1976-072DP		9171	USSR	22 JUL	02 AUG 76	
1976-072DQ		9172	USSR	22 JUL	02 AUG 76	
1976-072DR		9173	USSR	22 JUL	02 AUG 76	
1976-072DS		9174	USSR	22 JUL	02 AUG 76	
1976-072DT		9175	USSR	22 JUL	02 AUG 76	
1976-072DU		9176	USSR	22 JUL	02 AUG 76	
1976-072DV		9177	USSR	22 JUL	02 AUG 76	
1976-072DW		9178	USSR	22 JUL	02 AUG 76	
1976-072DX		9179	USSR	22 JUL	02 AUG 76	
1976-072DY		9180	USSR	22 JUL	02 AUG 76	
1976-072DZ		9181	USSR	22 JUL	02 AUG 76	
1976-072E		9066	USSR	22 JUL	02 AUG 76	
1976-072EA		9182	USSR	22 JUL	02 AUG 76	
1976-072EB		9183	USSR	22 JUL	02 AUG 76	
1976-072EC		9184	USSR	22 JUL	02 AUG 76	
1976-072ED		9185	USSR	22 JUL	02 AUG 76	
1976-072EE		9186	USSR	22 JUL	02 AUG 76	
1976-072EF		9187	USSR	22 JUL	02 AUG 76	
1976-072EG		9188	USSR	22 JUL	02 AUG 76	
1976-072EH		9189	USSR	22 JUL	02 AUG 76	
1976-072EJ		9190	USSR	22 JUL	02 AUG 76	
1976-072EK		9191	USSR	22 JUL	02 AUG 76	
1976-072EL		9192	USSR	22 JUL	02 AUG 76	
1976-072EM		9193	USSR	22 JUL	02 AUG 76	
1976-072EN		9194	USSR	22 JUL	02 AUG 76	
1976-072EP		9195	USSR	22 JUL	02 AUG 76	
1976-072EQ		9196	USSR	22 JUL	02 AUG 76	
1976-072ER		9197	USSR	22 JUL	02 AUG 76	
1976-072ES		9198	USSR	22 JUL	02 AUG 76	
1976-072ET		9199	USSR	22 JUL	02 AUG 76	
1976-072EU		9200	USSR	22 JUL	02 AUG 76	
1976-072EV		9201	USSR	22 JUL	02 AUG 76	
1976-072EW		9202	USSR	22 JUL	02 AUG 76	
1976-072EX		9203	USSR	22 JUL	02 AUG 76	
1976-072EY		9204	USSR	22 JUL	02 AUG 76	
1976-072EZ		9205	USSR	22 JUL	02 AUG 76	
1976-072F		9067	USSR	22 JUL	02 AUG 76	
1976-072FA		9206	USSR	22 JUL	02 AUG 76	
1976-072FB		9207	USSR	22 JUL	02 AUG 76	
1976-072FC		9208	USSR	22 JUL	02 AUG 76	
1976-072FD		9209	USSR	22 JUL	02 AUG 76	
1976-072FE		9210	USSR	22 JUL	02 AUG 76	
1976-072FF		9211	USSR	22 JUL	02 AUG 76	
1976-072FG		9212	USSR	22 JUL	02 AUG 76	
1976-072FH		9213	USSR	22 JUL	02 AUG 76	
1976-072FJ		9217	USSR	22 JUL	05 AUG 76	
1976-072FK		9218	USSR	22 JUL	05 AUG 76	
1976-072FL		9219	USSR	22 JUL	05 AUG 76	
1976-072FM		9220	USSR	22 JUL	05 AUG 76	
1976-072FN		9221	USSR	22 JUL	05 AUG 76	
1976-072FP		9222	USSR	22 JUL	05 AUG 76	
1976-072FQ		9223	USSR	22 JUL	05 AUG 76	

DECAYED OBJECTS			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1976-072FPR		9224	USSR	22 JUL	05 AUG 76
1976-072FS		9225	USSR	22 JUL	05 AUG 76
1976-072FT		9226	USSR	22 JUL	05 AUG 76
1976-072FU		9227	USSR	22 JUL	05 AUG 76
1976-072FV		9228	USSR	22 JUL	05 AUG 76
1976-072FW		9229	USSR	22 JUL	05 AUG 76
1976-072FX		9230	USSR	22 JUL	05 AUG 76
1976-072FY		9231	USSR	22 JUL	05 AUG 76
1976-072FZ		9232	USSR	22 JUL	05 AUG 76
1976-072G		9068	USSR	22 JUL	02 AUG 76
1976-072GA		9233	USSR	22 JUL	05 AUG 76
1976-072GB		9234	USSR	22 JUL	05 AUG 76
1976-072GC		9235	USSR	22 JUL	05 AUG 76
1976-072GD		9236	USSR	22 JUL	05 AUG 76
1976-072GE		9237	USSR	22 JUL	05 AUG 76
1976-072GF		9238	USSR	22 JUL	05 AUG 76
1976-072GG		9239	USSR	22 JUL	05 AUG 76
1976-072GH		9240	USSR	22 JUL	05 AUG 76
1976-072GJ		9241	USSR	22 JUL	05 AUG 76
1976-072GK		9242	USSR	22 JUL	05 AUG 76
1976-072GL		9243	USSR	22 JUL	05 AUG 76
1976-072GM		9244	USSR	22 JUL	05 AUG 76
1976-072GN		9245	USSR	22 JUL	05 AUG 76
1976-072GP		9246	USSR	22 JUL	05 AUG 76
1976-072GQ		9247	USSR	22 JUL	05 AUG 76
1976-072GR		9248	USSR	22 JUL	05 AUG 76
1976-072GS		9249	USSR	22 JUL	05 AUG 76
1976-072GT		9250	USSR	22 JUL	05 AUG 76
1976-072GU		9251	USSR	22 JUL	05 AUG 76
1976-072GV		9252	USSR	22 JUL	05 AUG 76
1976-072GW		9253	USSR	22 JUL	05 AUG 76
1976-072GX		9254	USSR	22 JUL	05 AUG 76
1976-072GY		9255	USSR	22 JUL	05 AUG 76
1976-072GZ		9256	USSR	22 JUL	05 AUG 76
1976-072H		9069	USSR	22 JUL	02 AUG 76
1976-072HA		9257	USSR	22 JUL	05 AUG 76
1976-072HB		9258	USSR	22 JUL	05 AUG 76
1976-072HC		9259	USSR	22 JUL	05 AUG 76
1976-072HD		9260	USSR	22 JUL	05 AUG 76
1976-072HE		9261	USSR	22 JUL	05 AUG 76
1976-072HF		9262	USSR	22 JUL	05 AUG 76
1976-072HG		9263	USSR	22 JUL	05 AUG 76
1976-072HH		9264	USSR	22 JUL	05 AUG 76
1976-072HJ		9265	USSR	22 JUL	05 AUG 76
1976-072HK		9266	USSR	22 JUL	05 AUG 76
1976-072HL		9331	USSR	22 JUL	13 AUG 76
1976-072HM		9332	USSR	22 JUL	13 AUG 76
1976-072HN		9333	USSR	22 JUL	13 AUG 76
1976-072HP		9334	USSR	22 JUL	13 AUG 76
1976-072HQ		9335	USSR	22 JUL	13 AUG 76
1976-072HR		9336	USSR	22 JUL	13 AUG 76
1976-072HS		9337	USSR	22 JUL	13 AUG 76
1976-072HT		9338	USSR	22 JUL	13 AUG 76
1976-072HU		9339	USSR	22 JUL	13 AUG 76
1976-072HV		9340	USSR	22 JUL	13 AUG 76
1976-072HW		9341	USSR	22 JUL	13 AUG 76

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECEASED OBJECTS	LAUNCH	DECAY	NOTES
			SOURCE			
1976-072HX		9342	USSR	22 JUL	13 AUG 76	
1976-072HY		9343	USSR	22 JUL	13 AUG 76	
1976-072HZ		9344	USSR	22 JUL	13 AUG 76	
1976-072J		9345	USSR	22 JUL	02 AUG 76	
1976-072JA		9346	USSR	22 JUL	13 AUG 76	
1976-072JB		9347	USSR	22 JUL	13 AUG 76	
1976-072JC		9348	USSR	22 JUL	13 AUG 76	
1976-072JD		9349	USSR	22 JUL	13 AUG 76	
1976-072JE		9350	USSR	22 JUL	13 AUG 76	
1976-072JF		9351	USSR	22 JUL	13 AUG 76	
1976-072JG		9352	USSR	22 JUL	13 AUG 76	
1976-072JH		9353	USSR	22 JUL	13 AUG 76	
1976-072JJ		9354	USSR	22 JUL	13 AUG 76	
1976-072JK		9355	USSR	22 JUL	13 AUG 76	
1976-072JL		9356	USSR	22 JUL	13 AUG 76	
1976-072JM		9357	USSR	22 JUL	13 AUG 76	
1976-072JN		9358	USSR	22 JUL	13 AUG 76	
1976-072JO		9359	USSR	22 JUL	13 AUG 76	
1976-072JR		9360	USSR	22 JUL	13 AUG 76	
1976-072JS		9361	USSR	22 JUL	13 AUG 76	
1976-072JT		9362	USSR	22 JUL	13 AUG 76	
1976-072JU		9363	USSR	22 JUL	13 AUG 76	
1976-072JV		9364	USSR	22 JUL	13 AUG 76	
1976-072JW		9365	USSR	22 JUL	13 AUG 76	
1976-072JX		9366	USSR	22 JUL	13 AUG 76	
1976-072JY		9367	USSR	22 JUL	13 AUG 76	
1976-072JZ		9368	USSR	22 JUL	13 AUG 76	
1976-072K		9071	USSR	22 JUL	02 AUG 76	
1976-072KA		9369	USSR	22 JUL	13 AUG 76	
1976-072KB		9370	USSR	22 JUL	13 AUG 76	
1976-072KC		9371	USSR	22 JUL	13 AUG 76	
1976-072KD		9372	USSR	22 JUL	13 AUG 76	
1976-072KE		9373	USSR	22 JUL	13 AUG 76	
1976-072KF		9378	USSR	22 JUL	17 AUG 76	
1976-072KG		9379	USSR	22 JUL	17 AUG 76	
1976-072KH		9380	USSR	22 JUL	17 AUG 76	
1976-072KJ		9381	USSR	22 JUL	17 AUG 76	
1976-072KL		9072	USSR	22 JUL	02 AUG 76	
1976-072KM		9073	USSR	22 JUL	02 AUG 76	
1976-072KN		9074	USSR	22 JUL	02 AUG 76	
1976-072P		9075	USSR	22 JUL	02 AUG 76	
1976-072Q		9076	USSR	22 JUL	02 AUG 76	
1976-072R		9077	USSR	22 JUL	02 AUG 76	
1976-072S		9078	USSR	22 JUL	02 AUG 76	
1976-072T		9079	USSR	22 JUL	02 AUG 76	
1976-072U		9080	USSR	22 JUL	02 AUG 76	
1976-072V		9081	USSR	22 JUL	02 AUG 76	
1976-072W		9082	USSR	22 JUL	02 AUG 76	
1976-072X		9083	USSR	22 JUL	02 AUG 76	
1976-072Y		9084	USSR	22 JUL	02 AUG 76	
1976-072Z		9085	USSR	22 JUL	02 AUG 76	
1976-074A		9049	USSR	23 JUL	02 AUG 76	
1976-074B		9050	USSR	23 JUL	29 MAY 87	
1976-074C		9051	USSR	23 JUL	02 OCT 76	
1976-074D		9052	USSR	23 JUL	18 SEP 76	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1976-074E	COSMOS 845	9269	USSR	23 JUL	09 SEP 91	
1976-075A		9053	USSR	27 JUL	15 NOV 80	
1976-075B		9054	USSR	27 JUL	28 FEB 81	
1976-075C		9058	USSR	27 JUL	18 JUL 78	
1976-075D		9267	USSR	27 JUL	14 OCT 78	
1976-075E	INTERCOSMOS 16	9268	USSR	27 JUL	17 FEB 79	
1976-075F		9665	USSR	27 JUL	18 JUL 78	
1976-075G		9718	USSR	27 JUL	27 JUL 78	
1976-075H		9789	USSR	27 JUL	24 JUN 78	
1976-076A		9055	USSR	27 JUL	10 JUL 79	
1976-076B		9056	USSR	27 JUL	21 FEB 80	
1976-077BA		10753	US	29 JUL	02 JAN 82	
1976-077BX		10827	US	29 JUL	11 SEP 88	
1976-077DV		12541	US	29 JUL	10 MAY 92	
1976-077EW		16999	US	29 JUL	01 AUG 88	
1976-079A	COSMOS 847	9214	USSR	04 AUG	17 AUG 76	
1976-079B		9215	USSR	04 AUG	11 AUG 76	
1976-079C		9216	USSR	04 AUG	05 AUG 76	
1976-079D		9376	USSR	04 AUG	23 AUG 76	
1976-079E		9377	USSR	04 AUG	18 AUG 76	
1976-081A	LUNA 24	9272	USSR	09 AUG	18 AUG 76	
1976-081B		9273	USSR	09 AUG	09 AUG 76	
1976-081C		9274	USSR	09 AUG	15 AUG 76	
1976-081D		9278	USSR	09 AUG	14 AUG 76	
1976-081E		9384	USSR	09 AUG	22 AUG 76	
1976-082A	LUNA 24 DESCENT CRAFT COSMOS 848	9280	USSR	12 AUG	25 AUG 76	
1976-082B		9281	USSR	12 AUG	24 AUG 76	
1976-082C		9328	USSR	12 AUG	17 AUG 76	
1976-082D		9374	USSR	12 AUG	01 SEP 76	
1976-082E		9375	USSR	12 AUG	24 AUG 76	
1976-083A	COSMOS 849	9382	USSR	18 AUG	24 APR 78	
1976-083B		9383	USSR	18 AUG	02 NOV 77	
1976-083C		9407	USSR	18 AUG	16 FEB 77	
1976-084A		9387	USSR	26 AUG	16 MAY 77	
1976-084B		9388	USSR	26 AUG	14 JAN 77	
1976-085A	COSMOS 851	9389	USSR	27 AUG	05 AUG 89	
1976-085B		9390	USSR	27 AUG	22 MAR 92	
1976-086A	COSMOS 852	9391	USSR	28 AUG	10 SEP 76	
1976-086B		9392	USSR	28 AUG	02 SEP 76	
1976-086C		9393	USSR	28 AUG	29 AUG 76	
1976-086D		9412	USSR	28 AUG	16 SEP 76	
1976-086E		9413	USSR	28 AUG	11 SEP 76	
1976-086F	MAO 6	9414	USSR	28 AUG	11 SEP 76	
1976-087A		9394	PRC	30 AUG	25 NOV 78	
1976-087B		9395	PRC	30 AUG	04 FEB 78	
1976-088A	COSMOS 853	9398	USSR	01 SEP	31 DEC 76	
1976-088B		9399	USSR	01 SEP	10 OCT 76	
1976-088C		9400	USSR	01 SEP	20 MAY 77	
1976-088D		9402	USSR	01 SEP	09 DEC 76	
1976-089A	TIP 3	9403	US	01 SEP	30 MAY 81	
1976-089B		9404	US	01 SEP	29 JUN 78	
1976-089C		9409	US	01 SEP	01 MAR 78	
1976-089D		9410	US	01 SEP	17 MAY 78	
1976-090A	COSMOS 854	9405	USSR	03 SEP	16 SEP 76	
1976-090B		9406	USSR	03 SEP	07 SEP 76	
1976-090C		9422	USSR	03 SEP	19 SEP 76	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1976-090D		9423	USSR	03 SEP	17 SEP 76	
1976-091D		9474	US	11 SEP	20 SEP 80	
1976-091E		9483	US	11 SEP	24 AUG 83	
1976-092B		9417	USSR	11 SEP	14 SEP 76	
1976-092C		9418	USSR	11 SEP	12 SEP 76	
1976-092D		9440	USSR	11 SEP	19 JUL 77	
1976-092E		9441	USSR	11 SEP	20 MAY 77	
1976-093A	SOYUZ 22	9421	USSR	15 SEP	23 SEP 76	
1976-093B		9421	USSR	15 SEP	20 SEP 76	
1976-093C		9424	USSR	15 SEP	16 SEP 76	
1976-093D		9425	USSR	15 SEP	05 NOV 76	
1976-094A		9426	US	15 SEP	17 SEP 76	
1976-094B		9427	US	15 SEP	03 OCT 76	
1976-095A	COSMOS 855	9433	USSR	21 SEP	02 OCT 76	
1976-095B		9434	USSR	21 SEP	06 OCT 76	
1976-095C		9445	USSR	21 SEP	08 OCT 76	
1976-096A		9446	USSR	22 SEP	05 OCT 76	
1976-096B	COSMOS 856	9435	USSR	22 SEP	30 SEP 76	
1976-096C		9436	USSR	22 SEP	23 SEP 76	
1976-096D		9437	USSR	22 SEP	08 OCT 76	
1976-096E		9447	USSR	22 SEP	16 OCT 76	
1976-097A	COSMOS 857	9448	USSR	24 SEP	07 OCT 76	
1976-097B		9439	USSR	24 SEP	29 SEP 76	
1976-097C		9442	USSR	24 SEP	15 OCT 76	
1976-097D		9449	USSR	24 SEP	08 OCT 76	
1976-097E		9450	USSR	24 SEP	09 OCT 76	
1976-097F		9451	USSR	24 SEP	11 OCT 76	
1976-099A	COSMOS 859	9470	USSR	10 OCT	21 OCT 76	
1976-099B		9471	USSR	10 OCT	15 OCT 76	
1976-099C		9472	USSR	10 OCT	11 OCT 76	
1976-099D		9473	USSR	10 OCT	24 OCT 76	
1976-099E		9491	USSR	10 OCT	25 OCT 76	
1976-100A		9492	USSR	14 OCT	16 OCT 76	
1976-100B	SOYUZ 23	9477	USSR	14 OCT	15 OCT 76	
1976-101B		9480	USSR	14 OCT	15 OCT 76	
1976-101C		9479	US	14 OCT	01 NOV 76	
1976-101D		9493	US	14 OCT	04 NOV 76	
1976-101E		9498	US	14 OCT	12 MAY 77	
1976-103B		9542	USSR	17 OCT	29 DEC 76	
1976-103D		9531	USSR	17 OCT	14 NOV 76	
1976-103E		9537	USSR	17 OCT	15 NOV 76	
1976-104B		9538	USSR	17 OCT	12 NOV 76	
1976-104C		9539	USSR	21 OCT	21 OCT 76	
1976-104D		9631	USSR	21 OCT	04 FEB 77	
1976-105B		9632	USSR	21 OCT	25 DEC 76	
1976-105C		9496	USSR	22 OCT	27 DEC 76	
1976-106A	COSMOS 863	9497	USSR	22 OCT	10 DEC 76	
1976-106B		9499	USSR	25 OCT	05 NOV 76	
1976-106C		9500	USSR	25 OCT	01 NOV 76	
1976-106D		9501	USSR	25 OCT	29 OCT 76	
1976-106E		9502	USSR	25 OCT	26 OCT 76	
1976-106F		9521	USSR	25 OCT	11 NOV 76	
1976-106G		9522	USSR	25 OCT	07 NOV 76	
1976-106H		9524	USSR	25 OCT	07 NOV 76	
1976-106J		9527	USSR	25 OCT	09 NOV 76	
		9528	USSR	25 OCT	10 NOV 76	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1976-106K		9529	USSR	25 OCT	07 NOV 76	
1976-107B		9504	USSR	26 OCT	29 OCT 76	
1976-107C		9505	USSR	26 OCT	27 OCT 76	
1976-107D		9540	USSR	26 OCT	26 JUN 77	
1976-107E		9541	USSR	26 OCT	20 MAY 77	
1976-109A	COSMOS 865	9515	USSR	01 NOV	13 NOV 76	
1976-109B		9516	USSR	01 NOV	14 NOV 76	
1976-109C		9517	USSR	01 NOV	05 NOV 76	
1976-109D		9519	USSR	01 NOV	07 NOV 76	
1976-109E		9520	USSR	01 NOV	22 NOV 76	
1976-109F		9523	USSR	01 NOV	10 NOV 76	
1976-109G		9525	USSR	01 NOV	10 FEB 77	
1976-109H		9526	USSR	01 NOV	05 FEB 77	
1976-110A	COSMOS 866	9532	USSR	11 NOV	23 NOV 76	
1976-110B		9533	USSR	11 NOV	14 NOV 76	
1976-110C		9534	USSR	11 NOV	16 NOV 76	
1976-110D		9535	USSR	11 NOV	13 NOV 76	
1976-110E		9536	USSR	11 NOV	13 NOV 76	
1976-110F		9551	USSR	11 NOV	24 NOV 76	
1976-110G		9553	USSR	11 NOV	23 NOV 76	
1976-111A	COSMOS 867	9552	USSR	23 NOV	06 DEC 76	
1976-111B		9554	USSR	23 NOV	01 FEB 77	
1976-111C		9555	USSR	23 NOV	16 DEC 76	
1976-111D		9556	USSR	23 NOV	08 DEC 76	
1976-111E		9566	USSR	23 NOV	11 DEC 76	
1976-111F		9582	USSR	23 NOV	07 JAN 78	
1976-111G		9583	USSR	23 NOV	26 MAY 77	
1976-111H		9584	USSR	23 NOV	20 MAR 77	
1976-111J		9585	USSR	23 NOV	07 JUL 77	
1976-111K		9586	USSR	23 NOV	05 MAR 77	
1976-112B		9558	USSR	25 NOV	23 JAN 77	
1976-112C		9559	USSR	25 NOV	05 JAN 77	
1976-112D		9560	USSR	25 NOV	24 JAN 77	
1976-113A	COSMOS 868	9561	USSR	26 NOV	08 JUL 78	
1976-113B		9562	USSR	26 NOV	27 NOV 76	
1976-114A	COSMOS 869	9564	USSR	29 NOV	17 DEC 76	
1976-114B		9565	USSR	29 NOV	06 DEC 76	
1976-115A	COSMOS 870	9573	USSR	02 DEC	20 DEC 80	
1976-115B		9576	USSR	02 DEC	28 FEB 81	
1976-115C		9577	USSR	02 DEC	10 FEB 78	
1976-115D		9991	USSR	02 DEC	30 APR 78	
1976-115E		9992	USSR	02 DEC	11 JUN 78	
1976-115F		9993	USSR	02 DEC	07 MAR 80	
1976-116A	MOLNIYA 2-16	9574	USSR	02 DEC	21 FEB 91	
1976-116B		9575	USSR	02 DEC	04 MAR 77	
1976-116C		9578	USSR	02 DEC	07 FEB 77	
1976-116D		9579	USSR	02 DEC	19 SEP 91	
1976-116E		9580	USSR	02 DEC	13 FEB 77	
1976-116F		9581	USSR	02 DEC	11 JAN 77	
1976-117A	MAO 7	9587	PRC	07 DEC	02 JAN 77	
1976-117B		9596	PRC	07 DEC	29 DEC 76	
1976-117C		9597	PRC	07 DEC	09 DEC 76	
1976-119A	COSMOS 879	9599	USSR	09 DEC	22 DEC 76	
1976-119B		9600	USSR	09 DEC	12 DEC 76	
1976-119C		9602	USSR	09 DEC	03 JAN 77	
1976-119D		9603	USSR	09 DEC	15 DEC 76	

DECAYED OBJECTS			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1976-120A	COSMOS 880	9601	USSR	09 DEC	08 OCT 79
1976-120AA		11199	USSR	09 DEC	18 FEB 79
1976-120AB		11200	USSR	09 DEC	10 JUL 79
1976-120AC		11201	USSR	09 DEC	09 DEC 79
1976-120AD		11202	USSR	09 DEC	13 JUL 79
1976-120AE		11203	USSR	09 DEC	10 SEP 79
1976-120AF		11204	USSR	09 DEC	01 AUG 91
1976-120AG		11205	USSR	09 DEC	11 JUL 90
1976-120AH		11206	USSR	09 DEC	26 FEB 79
1976-120AJ		11207	USSR	09 DEC	20 NOV 85
1976-120AK		11208	USSR	09 DEC	11 NOV 79
1976-120AL		11209	USSR	09 DEC	01 DEC 82
1976-120AM		11210	USSR	09 DEC	30 JUL 83
1976-120AN		11211	USSR	09 DEC	29 MAR 79
1976-120AP		11212	USSR	09 DEC	15 JUL 84
1976-120AQ		11213	USSR	09 DEC	23 NOV 90
1976-120AR		11214	USSR	09 DEC	15 SEP 91
1976-120AS		11215	USSR	09 DEC	24 MAY 79
1976-120AV		11218	USSR	09 DEC	05 FEB 80
1976-120AW		11219	USSR	09 DEC	19 NOV 82
1976-120AX		11220	USSR	09 DEC	19 MAY 83
1976-120AZ		11222	USSR	09 DEC	16 JUN 79
1976-120B		9604	USSR	09 DEC	21 DEC 84
1976-120BA		11223	USSR	09 DEC	14 AUG 91
1976-120BB		11224	USSR	09 DEC	03 JUN 79
1976-120BC		11225	USSR	09 DEC	19 AUG 79
1976-120C		9605	USSR	09 DEC	01 NOV 81
1976-120D		11178	USSR	09 DEC	12 JUN 81
1976-120E		11179	USSR	09 DEC	06 MAR 80
1976-120F		11180	USSR	09 DEC	25 FEB 79
1976-120G		11181	USSR	09 DEC	20 JUL 79
1976-120H		11182	USSR	09 DEC	27 OCT 79
1976-120J		11183	USSR	09 DEC	14 APR 79
1976-120K		11184	USSR	09 DEC	06 JUL 79
1976-120L		11185	USSR	09 DEC	05 APR 79
1976-120M		11186	USSR	09 DEC	13 NOV 80
1976-120N		11187	USSR	09 DEC	02 APR 79
1976-120P		11188	USSR	09 DEC	05 MAR 79
1976-120Q		11189	USSR	09 DEC	23 FEB 79
1976-120R		11190	USSR	09 DEC	26 MAR 79
1976-120S		11191	USSR	09 DEC	16 JUN 79
1976-120T		11192	USSR	09 DEC	05 JUL 79
1976-120U		11193	USSR	09 DEC	03 SEP 91
1976-120V		11194	USSR	09 DEC	12 JUL 79
1976-120W		11195	USSR	09 DEC	23 FEB 79
1976-120X		11196	USSR	09 DEC	07 APR 79
1976-120Y		11197	USSR	09 DEC	31 MAR 79
1976-120Z		11198	USSR	09 DEC	15 MAR 79
1976-121A	COSMOS 881	9606	USSR	15 DEC	15 DEC 76
1976-121B	COSMOS 882	9607	USSR	15 DEC	15 DEC 76
1976-121C		9608	USSR	15 DEC	20 DEC 76
1976-121D		9609	USSR	15 DEC	23 DEC 76
1976-121E		9611	USSR	15 DEC	26 DEC 76
1976-121F		9612	USSR	15 DEC	21 DEC 76
1976-123A	COSMOS 884	9614	USSR	17 DEC	29 DEC 76
1976-123B		9623	USSR	17 DEC	23 DEC 76

DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY				
1976-123C		9624	USSR	17 DEC	31 JAN 77				
1976-123D		9639	USSR	17 DEC	31 DEC 76				
1976-123E		9640	USSR	17 DEC	01 JAN 77				
1976-123F		9646	USSR	17 DEC	03 JAN 77				
1976-124A		9615	USSR	17 DEC	14 OCT 79				
1976-124B		9625	USSR	17 DEC	05 SEP 79				
1976-124C		9626	USSR	17 DEC	29 OCT 77				
1976-124D		9897	USSR	17 DEC	22 NOV 77				
1976-124E		9901	USSR	17 DEC	11 NOV 77				
1976-124F		9914	USSR	17 DEC	09 DEC 77				
1976-124G		9915	USSR	17 DEC	29 NOV 77				
1976-124H		9916	USSR	17 DEC	16 NOV 77				
1976-124J		9917	USSR	17 DEC	05 NOV 77				
1976-124K		9918	USSR	17 DEC	20 NOV 77				
1976-124L		9919	USSR	17 DEC	10 NOV 77				
1976-124M		9920	USSR	17 DEC	22 DEC 77				
1976-124N		9922	USSR	17 DEC	16 NOV 77				
1976-124P		9923	USSR	17 DEC	09 DEC 77				
1976-124Q		9924	USSR	17 DEC	14 DEC 77				
1976-124R		9925	USSR	17 DEC	22 NOV 77				
1976-124S		9926	USSR	17 DEC	01 DEC 77				
1976-124T		9999	USSR	17 DEC	17 OCT 77				
1976-124U		10391	USSR	17 DEC	11 JAN 78				
1976-125A		9627	US	19 DEC	28 JAN 79				
1976-125B		9628	US	19 DEC	09 MAY 77				
1976-125C		9629	US	19 DEC	23 FEB 77				
1976-125D		9630	US	19 DEC	09 FEB 77				
1976-126AD		9817	USSR	27 DEC	12 JUL 82				
1976-126AM		9825	USSR	27 DEC	12 MAR 82				
1976-126AS		9952	USSR	27 DEC	11 OCT 80				
1976-126AZ		9959	USSR	27 DEC	20 JUN 82				
1976-126B		9643	USSR	27 DEC	30 DEC 76				
1976-126BH		9967	USSR	27 DEC	05 MAR 91				
1976-126BJ		10396	USSR	27 DEC	08 JAN 84				
1976-126BU		15762	USSR	27 DEC	03 JAN 90				
1976-126BX		18891	USSR	27 DEC	03 JAN 90				
1976-126C		9644	USSR	27 DEC	31 DEC 76				
1976-126CB		19221	USSR	27 DEC	03 JAN 90				
1976-126CE		19480	USSR	27 DEC	03 JAN 90				
1976-126D		9645	USSR	27 DEC	14 JAN 77				
1976-126P		9657	USSR	27 DEC	06 JAN 91				
1976-126Q		9719	USSR	27 DEC	11 JUL 78				
1976-126R		9720	USSR	27 DEC	09 OCT 81				
1976-126W		9725	USSR	27 DEC	21 DEC 92				
1976-127A		9635	USSR	28 DEC	06 FEB 90				
1976-127B		9636	USSR	28 DEC	16 MAR 77				
1976-127C		9641	USSR	28 DEC	15 FEB 77				
1976-127D		9642	USSR	28 DEC	23 FEB 77				
1976-127E		9647	USSR	28 DEC	30 SEP 87				
1977 LAUNCHES									
1977-001A	COSMOS 888	9658	USSR	06 JAN	19 JAN 77				
1977-001B		9659	USSR	06 JAN	11 JAN 77				
1977-001C		9660	USSR	06 JAN	11 JAN 77				
1977-001D		9732	USSR	06 JAN	23 JAN 77				

DECAYED OBJECTS			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1977-001E		9733	USSR	06 JAN	21 JAN 77
1977-001F		9734	USSR	06 JAN	20 JAN 77
1977-003A	COSMOS 889	9735	USSR	20 JAN	01 FEB 77
1977-003B		9736	USSR	20 JAN	01 FEB 77
1977-005C		9787	US	28 JAN	06 FEB 81
1977-006A	COSMOS 891	9801	USSR	02 FEB	04 FEB 81
1977-006B		9802	USSR	02 FEB	18 DEC 79
1977-007B	SOYUZ 24	9808	US	06 FEB	06 FEB 77
1977-008A		9804	USSR	07 FEB	25 FEB 77
1977-008B		9805	USSR	07 FEB	12 FEB 77
1977-008C		9806	USSR	07 FEB	12 FEB 77
1977-009A	COSMOS 892	9812	USSR	09 FEB	22 FEB 77
1977-009B		9813	USSR	09 FEB	15 FEB 77
1977-009C		9814	USSR	09 FEB	10 FEB 77
1977-009D		9845	USSR	09 FEB	26 FEB 77
1977-009E		9847	USSR	09 FEB	24 FEB 77
1977-009F		9849	USSR	09 FEB	23 FEB 77
1977-009G		9851	USSR	09 FEB	13 MAR 77
1977-010B		9830	USSR	11 FEB	02 MAR 77
1977-010C		9831	USSR	11 FEB	27 FEB 77
1977-010D		9832	USSR	15 FEB	06 OCT 84
1977-011A	COSMOS 893	9833	USSR	15 FEB	05 NOV 77
1977-011B		9834	USSR	15 FEB	18 MAR 78
1977-011C		10486	USSR	15 FEB	21 MAR 79
1977-012B		9842	JAPAN	19 FEB	15 MAY 78
1977-012D		9844	JAPAN	19 FEB	14 NOV 91
1977-014B		9859	JAPAN	23 FEB	22 MAR 92
1977-015A	COSMOS 895	9853	USSR	26 FEB	16 MAR 77
1977-016A	COSMOS 896	9857	USSR	03 MAR	04 MAR 77
1977-016B		9858	USSR	03 MAR	25 MAR 77
1977-016C		9865	USSR	03 MAR	17 MAR 77
1977-016D		9869	USSR	03 MAR	17 MAR 77
1977-016E		9870	USSR	03 MAR	24 MAR 77
1977-016F		9873	USSR	03 MAR	23 MAR 77
1977-016G		9874	USSR	03 MAR	21 MAR 77
1977-016H		9875	USSR	03 MAR	23 MAR 77
1977-017A	COSMOS 897	9860	USSR	10 MAR	15 MAR 77
1977-017B		9861	USSR	10 MAR	31 MAR 77
1977-017C		9876	USSR	10 MAR	27 MAR 77
1977-017D		9877	USSR	10 MAR	26 MAR 77
1977-017E		9878	USSR	10 MAR	20 MAY 77
1977-017F		9879	USSR	10 MAR	27 MAR 77
1977-017G		9885	USSR	10 MAR	25 APR 82
1977-018B		9864	US	10 MAR	17 DEC 77
1977-018C		9866	US	10 MAR	13 OCT 77
1977-018D		9867	US	10 MAR	15 FEB 78
1977-018E		9868	US	10 MAR	26 MAY 77
1977-019A		9863	US	13 MAR	21 MAY 77
1977-019B		10012	US	13 MAR	30 MAR 77
1977-020A	COSMOS 898	9871	USSR	17 MAR	22 MAR 77
1977-020B		9872	USSR	17 MAR	30 MAR 77
1977-020C		9886	USSR	17 MAR	03 APR 77
1977-020D		9887	USSR	17 MAR	19 APR 77
1977-021B		9881	USSR	24 MAR	12 APR 77
1977-021C		9882	USSR	24 MAR	19 OCT 80
1977-022A	COSMOS 899	9883	USSR	24 MAR	19 OCT 80

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1977-022B		9884	USSR	24 MAR	25 DEC 80		
1977-022C		9900	USSR	24 MAR	11 APR 78		
1977-023A	COSMOS 900	9898	USSR	29 MAR	11 OCT 79		
1977-023B		9899	USSR	29 MAR	06 SEP 79		
1977-025A	COSMOS 901	9905	USSR	05 APR	28 JUN 78		
1977-025B		9906	USSR	05 APR	25 MAR 78		
1977-026A	COSMOS 902	9908	USSR	07 APR	20 APR 77		
1977-026B		9909	USSR	07 APR	09 APR 77		
1977-026C		9910	USSR	07 APR	10 APR 77		
1977-026D		9928	USSR	07 APR	20 APR 77		
1977-026E		9929	USSR	07 APR	23 APR 77		
1977-027B		9912	USSR	11 APR	06 JUN 77		
1977-027C		9913	USSR	11 APR	01 MAY 77		
1977-028A	COSMOS 904	9930	USSR	20 APR	04 MAY 77		
1977-028B		9935	USSR	20 APR	29 APR 77		
1977-028C		9936	USSR	20 APR	23 APR 77		
1977-029B		9932	US	20 APR	20 APR 77		
1977-029C		9933	US	20 APR	17 DEC 89		
1977-029D		9934	US	20 APR	20 APR 77		
1977-030A	COSMOS 905	9937	USSR	26 APR	26 MAY 77		
1977-030B		9939	USSR	26 APR	01 MAY 77		
1977-030C		9940	USSR	26 APR	14 MAY 77		
1977-030D		10023	USSR	26 APR	26 MAY 77		
1977-031A	COSMOS 906	9938	USSR	27 APR	23 MAR 80		
1977-032B		9942	USSR	28 APR	15 MAY 77		
1977-032C		9943	USSR	28 APR	15 MAY 77		
1977-033A	COSMOS 907	9944	USSR	05 MAY	16 MAY 77		
1977-033B		9945	USSR	05 MAY	13 MAY 77		
1977-033C		9946	USSR	05 MAY	06 MAY 77		
1977-033D		9947	USSR	05 MAY	06 MAY 77		
1977-033E		10004	USSR	05 MAY	17 MAY 77		
1977-033F		10005	USSR	05 MAY	20 MAY 77		
1977-033G		10006	USSR	05 MAY	24 MAY 77		
1977-034D		10003	US	12 MAY	14 MAY 77		
1977-035A	COSMOS 908	10007	USSR	17 MAY	31 MAY 77		
1977-035B		10008	USSR	17 MAY	21 MAY 77		
1977-035C		10009	USSR	17 MAY	22 MAY 77		
1977-035D		10027	USSR	23 MAY	03 JUN 77		
1977-037A	COSMOS 910	10014	USSR	23 MAY	23 MAY 77		
1977-037B		10015	USSR	23 MAY	27 MAY 77		
1977-037C		10018	USSR	23 MAY	24 MAY 77		
1977-040A	COSMOS 912	10021	USSR	26 MAY	08 JUN 77		
1977-040B		10022	USSR	26 MAY	31 MAY 77		
1977-040C		10026	USSR	26 MAY	27 MAY 77		
1977-040D		10035	USSR	26 MAY	12 JUN 77		
1977-040E		10036	USSR	26 MAY	18 JUN 77		
1977-042A	COSMOS 913	10028	USSR	30 MAY	29 DEC 79		
1977-042B		10029	USSR	30 MAY	02 NOV 79		
1977-042C		10237	USSR	30 MAY	18 APR 78		
1977-042D		10238	USSR	30 MAY	18 FEB 78		
1977-042E		10329	USSR	30 MAY	26 FEB 78		
1977-042F		10330	USSR	30 MAY	23 FEB 78		
1977-042G		10331	USSR	30 MAY	23 FEB 78		
1977-042H		10332	USSR	30 MAY	18 APR 78		
1977-042J		10333	USSR	30 MAY	11 MAR 78		
1977-042K		10334	USSR	30 MAY	15 FEB 78		

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DECAYED OBJECTS		LAUNCH		NOTES	
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1977-042L		10335	USSR	30 MAY	15 FEB 78
1977-042M		10336	USSR	30 MAY	04 FEB 78
1977-042N		10337	USSR	30 MAY	23 FEB 78
1977-042P		10349	USSR	30 MAY	18 APR 78
1977-042Q		10350	USSR	30 MAY	15 MAR 78
1977-042R		10418	USSR	30 MAY	18 JUN 78
1977-042S		10487	USSR	30 MAY	22 MAR 78
1977-042T		10488	USSR	30 MAY	18 APR 78
1977-042U		10494	USSR	30 MAY	18 MAR 78
1977-042V		10495	USSR	30 MAY	18 APR 78
1977-042W		10496	USSR	30 MAY	27 MAR 78
1977-042X		10497	USSR	30 MAY	13 JUN 77
1977-043A		10030	USSR	31 MAY	11 JUN 77
1977-043B		10031	USSR	31 MAY	16 JUN 77
1977-043C		10032	USSR	31 MAY	18 JUN 77
1977-043D		10045	USSR	31 MAY	02 JUL 77
1977-043E		10046	USSR	31 MAY	21 JUN 77
1977-045A		10038	USSR	08 JUN	11 JUN 77
1977-045B		10039	USSR	08 JUN	25 JUN 77
1977-045C		10073	USSR	08 JUN	23 JUN 77
1977-045D		10074	USSR	08 JUN	21 JUN 77
1977-045E		10084	USSR	08 JUN	21 JUN 77
1977-046A		10040	USSR	10 JUN	01 JUL 77
1977-046B		10041	USSR	10 JUN	29 JUN 77
1977-046C		10042	USSR	10 JUN	18 JUN 77
1977-046D		10043	USSR	10 JUN	25 JUN 77
1977-046E		10044	USSR	10 JUN	27 JUN 77
1977-046F		10088	USSR	10 JUN	01 JUL 77
1977-046G		10090	USSR	10 JUN	17 AUG 77
1977-047B		10060	USSR	16 JUN	14 JUL 77
1977-047C		10066	USSR	16 JUN	12 JUL 77
1977-048C		10063	US	16 JUN	29 JUN 77
1977-048D		10067	US	16 JUN	11 JUL 77
1977-048E		10075	US	16 JUN	20 JUN 79
1977-049A	SIGNE 3	10064	FRANCE	17 JUN	05 FEB 80
1977-049B		10069	USSR	17 JUN	18 JUN 77
1977-050A	COSMOS 918	10065	USSR	17 JUN	18 JUN 77
1977-050B		10068	USSR	18 JUN	28 AUG 78
1977-051A	COSMOS 919	10070	USSR	18 JUN	21 APR 78
1977-051B		10071	USSR	18 JUN	15 JUL 77
1977-051C		10072	USSR	18 JUN	18 JUL 78
1977-051D		10808	USSR	22 JUN	05 JUL 77
1977-052A		10086	USSR	22 JUN	27 JUN 77
1977-052B		10087	USSR	22 JUN	10 JUL 77
1977-052C		10127	USSR	22 JUN	08 JUL 77
1977-052D		10128	USSR	22 JUN	10 JUL 77
1977-052E		10133	USSR	22 JUN	24 AUG 77
1977-054B		10093	USSR	24 JUN	04 AUG 77
1977-054C		10094	USSR	24 JUN	19 JUN 92
1977-054E		21962	USSR	24 JUN	23 DEC 77
1977-056A		10111	US	27 JUN	29 JUN 77
1977-056B		10112	US	27 JUN	02 AUG 77
1977-057C		10116	USSR	29 JUN	13 JUL 77
1977-058A	COSMOS 922	10115	USSR	30 JUN	08 JUL 77
1977-058B		10117	USSR	30 JUN	02 JUL 77
1977-058C		10118	USSR	30 JUN	02 JUL 77

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1977-058D	COSMOS 924	10119	USSR	30 JUN	02 JUL 77	
1977-060A		10129	USSR	04 JUL	10 FEB 81	
1977-060B		10130	USSR	04 JUL	20 JAN 81	
1977-060C		10131	USSR	04 JUL	12 JAN 78	
1977-060D	COSMOS 927	10132	USSR	04 JUL	03 DEC 77	
1977-063A		10139	USSR	12 JUL	25 JUL 77	
1977-063B		10140	USSR	12 JUL	18 JUL 77	
1977-063C		10162	USSR	12 JUL	27 JUL 77	
1977-063D		10163	USSR	12 JUL	26 JUL 77	
1977-065AA		10197	US	14 JUL	18 JUL 81	
1977-065AC		10199	US	14 JUL	30 NOV 80	
1977-065AD		10200	US	14 JUL	15 MAY 81	
1977-065AG		10203	US	14 JUL	01 JAN 86	
1977-065AJ		10205	US	14 JUL	09 AUG 81	
1977-065AN		10209	US	14 JUL	26 SEP 82	
1977-065AP		10210	US	14 JUL	17 NOV 81	
1977-065AS		10213	US	14 JUL	13 APR 81	
1977-065AU		10215	US	14 JUL	13 APR 81	
1977-065AV		10216	US	14 JUL	05 JUN 82	
1977-065AZ		10222	US	14 JUL	24 DEC 78	
1977-065BB		10224	US	14 JUL	20 JUN 81	
1977-065BC		10225	US	14 JUL	09 OCT 80	
1977-065BF		10228	US	14 JUL	11 MAR 81	
1977-065BJ		10231	US	14 JUL	20 JUL 82	
1977-065BK		10232	US	14 JUL	21 JAN 91	
1977-065BL		10233	US	14 JUL	28 AUG 90	
1977-065BP		10236	US	14 JUL	27 AUG 80	
1977-065BQ		10239	US	14 JUL	27 APR 84	
1977-065BT		10242	US	14 JUL	29 APR 81	
1977-065BV		10244	US	14 JUL	22 SEP 91	
1977-065BW		10245	US	14 JUL	04 NOV 77	
1977-065BY		10247	US	14 JUL	09 AUG 79	
1977-065BZ		10248	US	14 JUL	14 FEB 79	
1977-065C		10145	US	14 JUL	31 MAR 78	
1977-065CA		10249	US	14 JUL	24 OCT 89	
1977-065CE		10253	US	14 JUL	20 FEB 78	
1977-065CF		10254	US	14 JUL	04 JUN 81	
1977-065CG		10255	US	14 JUL	04 JAN 90	
1977-065CH		10256	US	14 JUL	05 FEB 82	
1977-065CK		10258	US	14 JUL	04 SEP 92	
1977-065CL		10259	US	14 JUL	07 DEC 82	
1977-065CM		10260	US	14 JUL	11 APR 83	
1977-065CQ		10263	US	14 JUL	01 MAY 81	
1977-065CR		10264	US	14 JUL	14 MAR 89	
1977-065CS		10265	US	14 JUL	22 JUN 80	
1977-065CT		10266	US	14 JUL	06 AUG 85	
1977-065CU		10267	US	14 JUL	21 JAN 82	
1977-065CV		10268	US	14 JUL	13 AUG 79	
1977-065CX		10270	US	14 JUL	11 SEP 89	
1977-065CY		10302	US	14 JUL	16 APR 89	
1977-065CZ		10303	US	14 JUL	15 JUN 90	
1977-065D		10156	US	14 JUL	06 NOV 81	
1977-065DA		10304	US	14 JUL	08 NOV 82	
1977-065DD		10307	US	14 JUL	06 JUN 81	
1977-065DE		10308	US	14 JUL	16 JUN 79	
1977-065DG		10310	US	14 JUL	11 JUL 80	

DECAYED OBJECTS			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1977-065DH		10311	US	14 JUL	26 MAR 89
1977-065DP		10340	US	14 JUL	12 NOV 83
1977-065DR		10342	US	14 JUL	26 JAN 83
1977-065DS		10343	US	14 JUL	14 OCT 78
1977-065DT		10344	US	14 JUL	02 JUL 79
1977-065DW		10347	US	14 JUL	06 JUL 81
1977-065DX		10348	US	14 JUL	07 AUG 92
1977-065DZ		10390	US	14 JUL	06 DEC 81
1977-065E		10176	US	14 JUL	22 MAY 79
1977-065EA		10468	US	14 JUL	15 SEP 80
1977-065EE		10472	US	14 JUL	16 MAR 81
1977-065EF		10473	US	14 JUL	07 JAN 82
1977-065EG		10474	US	14 JUL	12 JUN 78
1977-065EH		10475	US	14 JUL	10 NOV 81
1977-065EK		10477	US	14 JUL	10 DEC 81
1977-065EN		10480	US	14 JUL	18 JUN 92
1977-065EP		10481	US	14 JUL	03 FEB 87
1977-065EQ		10482	US	14 JUL	10 NOV 82
1977-065ER		10483	US	14 JUL	20 AUG 81
1977-065ET		10624	US	14 JUL	27 JUN 80
1977-065EU		10625	US	14 JUL	30 JUL 82
1977-065EX		10628	US	14 JUL	21 MAR 90
1977-065FA		10631	US	14 JUL	08 OCT 80
1977-065FB		10632	US	14 JUL	03 FEB 89
1977-065FC		10633	US	14 JUL	03 JAN 90
1977-065FE		10635	US	14 JUL	30 SEP 80
1977-065FF		10636	US	14 JUL	20 MAY 83
1977-065FK		14494	US	14 JUL	09 JUL 88
1977-065FL		14495	US	14 JUL	10 JUN 89
1977-065FU		18643	US	14 JUL	27 NOV 88
1977-065G		19965	US	14 JUL	27 NOV 88
1977-065H		10179	US	14 JUL	25 FEB 91
1977-065J		10180	US	14 JUL	23 OCT 90
1977-065L		10182	US	14 JUL	01 JAN 81
1977-065P		10185	US	14 JUL	23 JUN 85
1977-065Q		10186	US	14 JUL	25 JAN 92
1977-065R		10187	US	14 JUL	27 OCT 78
1977-065T		10189	US	14 JUL	16 FEB 79
1977-065U		10190	US	14 JUL	24 APR 89
1977-065V		10191	US	14 JUL	04 DEC 78
1977-065W		10192	US	14 JUL	17 AUG 83
1977-065X		10193	US	14 JUL	17 APR 79
1977-065Y		10194	US	14 JUL	22 SEP 85
1977-065Z		10196	US	14 JUL	10 NOV 82
1977-066A	COSMOS 929	10146	USSR	17 JUL	02 FEB 78
1977-066B		10147	USSR	17 JUL	29 JUL 77
1977-066C		10148	USSR	17 JUL	24 JUL 77
1977-067A	COSMOS 930	10149	USSR	19 JUL	12 MAY 80
1977-068B		10151	USSR	20 JUL	22 SEP 77
1977-068C		10152	USSR	20 JUL	17 AUG 77
1977-068H		18528	USSR	20 JUL	02 JAN 89
1977-069A	COSMOS 932	10153	USSR	20 JUL	02 AUG 77
1977-069B		10154	USSR	20 JUL	24 JUL 77
1977-069C		10170	USSR	20 JUL	03 AUG 77
1977-069D		10171	USSR	20 JUL	03 AUG 77
1977-070A	COSMOS 933	10157	USSR	22 JUL	01 NOV 78

DECAYED OBJECTS		DECAYED OBJECTS			DECAYED OBJECTS		DECAYED OBJECTS	
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES		
1977-070B		10158	USSR	22 JUL	07 JUN 78			
1977-071B		10160	USSR	23 JUL	26 JUL 77			
1977-071C		10161	USSR	23 JUL	26 JUL 77			
1977-071D		10276	USSR	23 JUL	05 JUN 78			
1977-071E		10277	USSR	23 JUL	25 MAR 78			
1977-072A	COSMOS 934	10164	USSR	27 JUL	09 AUG 77			
1977-072B		10165	USSR	27 JUL	05 AUG 77			
1977-072C		10166	USSR	27 JUL	02 AUG 77			
1977-072D		10174	USSR	27 JUL	17 AUG 77			
1977-072E		10175	USSR	27 JUL	10 AUG 77			
1977-072F		10195	USSR	27 JUL	12 AUG 77			
1977-073A	COSMOS 935	10168	USSR	29 JUL	11 AUG 77			
1977-073B		10169	USSR	29 JUL	11 AUG 77			
1977-097BT		11893	USSR	29 JUL	03 AUG 77			
1977-074A	COSMOS 936	10172	USSR	29 JUL	04 SEP 80			
1977-074B		10173	USSR	03 AUG	28 AUG 77			
1977-074C		10274	USSR	03 AUG	05 SEP 77			
1977-074D		10275	USSR	03 AUG	08 OCT 77			
1977-075A	HEAO 1	10217	US	12 AUG	15 MAR 79			
1977-075B		10218	US	12 AUG	25 NOV 77			
1977-077A	COSMOS 937	10278	USSR	24 AUG	19 OCT 78			
1977-077B		10279	USSR	24 AUG	25 AUG 77			
1977-077C		10280	USSR	24 AUG	25 AUG 77			
1977-078A	COSMOS 938	10281	USSR	24 AUG	06 SEP 77			
1977-078B		10283	USSR	24 AUG	30 AUG 77			
1977-078C		10284	USSR	24 AUG	11 SEP 77			
1977-078D		10285	USSR	24 AUG	21 SEP 77			
1977-078E		10324	USSR	24 AUG	07 SEP 77			
1977-078F		10325	USSR	24 AUG	06 SEP 77			
1977-080C		10296	US	25 AUG	10 NOV 82			
1977-080D		10297	US	25 AUG	18 JAN 78			
1977-080E		10298	US	25 AUG	07 DEC 77			
1977-081A	COSMOS 947	10299	USSR	27 AUG	09 SEP 77			
1977-081B		10300	USSR	27 AUG	07 SEP 77			
1977-081C		10301	USSR	27 AUG	07 SEP 77			
1977-082B		10316	USSR	30 AUG	26 SEP 77			
1977-082C		10317	USSR	30 AUG	23 SEP 77			
1977-082D		10318	USSR	30 AUG	23 SEP 77			
1977-083A	COSMOS 948	10319	USSR	02 SEP	15 SEP 77			
1977-083B		10320	USSR	02 SEP	07 SEP 77			
1977-083C		10356	USSR	02 SEP	20 SEP 77			
1977-083D		10357	USSR	02 SEP	15 SEP 77			
1977-085A	COSMOS 949	10326	USSR	06 SEP	06 OCT 77			
1977-085B		10327	USSR	06 SEP	11 SEP 77			
1977-085C		10328	USSR	06 SEP	10 SEP 77			
1977-086A	COSMOS 950	10351	USSR	13 SEP	27 SEP 77			
1977-086B		10353	USSR	13 SEP	18 SEP 77			
1977-086C		10354	USSR	13 SEP	20 SEP 77			
1977-088B		10399	USSR	16 SEP	07 NOV 77			
1977-088C		10400	USSR	16 SEP	11 OCT 77			
1977-089A	COSMOS 953	10359	USSR	16 SEP	29 SEP 77			
1977-089B		10360	USSR	16 SEP	21 SEP 77			
1977-089C		10380	USSR	16 SEP	30 SEP 77			
1977-089D		10381	USSR	16 SEP	29 SEP 77			
1977-090A	COSMOS 954	10361	USSR	18 SEP	29 SEP 77			
1977-097AA		11092	USSR	19 SEP	24 JAN 78			

DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH		DECAY			
1977-097AB		11093	USSR	19 SEP		26 NOV 78			
1977-097AD		11095	USSR	19 SEP		15 DEC 78			
1977-097AF		11097	USSR	19 SEP		19 DEC 78			
1977-097AG		11100	USSR	19 SEP		16 FEB 79			
1977-091C		10364	USSR	20 SEP		03 JUN 82			
1977-092B		10366	USSR	20 SEP		21 SEP 77			
1977-092C		10367	USSR	20 SEP		21 SEP 77			
1977-092D		10368	USSR	20 SEP		25 SEP 77			
1977-092E		10408	USSR	20 SEP		30 APR 78			
1977-092F		10484	USSR	20 SEP		18 JUN 78			
1977-093B		10371	USSR	22 SEP		29 OCT 77			
1977-093C		10372	USSR	22 SEP		23 OCT 77			
1977-093D		10373	USSR	22 SEP		28 SEP 77			
1977-094A		10374	US	23 SEP		08 DEC 77			
1977-095A	COSMOS 956	10375	USSR	24 SEP		27 JUN 82			
1977-095B		10378	USSR	24 SEP		01 NOV 82			
1977-096A	INTERCOSMOS 17	10376	USSR	24 SEP		08 NOV 79			
1977-096B		10377	USSR	24 SEP		11 SEP 79			
1977-096C		10379	USSR	24 SEP		08 APR 78			
1977-097A		10382	USSR	29 SEP		29 JUL 82			
1977-097AC		11094	USSR	29 SEP		28 JAN 79			
1977-097AE		11096	USSR	29 SEP		30 JUL 79			
1977-097AH		11338	USSR	29 SEP		22 JUN 79			
1977-097AJ		11339	USSR	29 SEP		25 MAY 79			
1977-097AK		11340	USSR	29 SEP		03 MAY 79			
1977-097AL		11341	USSR	29 SEP		09 JUL 79			
1977-097AM		11342	USSR	29 SEP		25 MAY 79			
1977-097AN		11350	USSR	29 SEP		17 JUL 79			
1977-097AP		11431	USSR	29 SEP		04 SEP 79			
1977-097AQ		11432	USSR	29 SEP		05 OCT 79			
1977-097AR		11433	USSR	29 SEP		16 JUL 79			
1977-097AS		11434	USSR	29 SEP		27 NOV 79			
1977-097AT		11435	USSR	29 SEP		25 AUG 79			
1977-097AU		11467	USSR	29 SEP		23 OCT 79			
1977-097AV		11468	USSR	29 SEP		17 OCT 79			
1977-097AW		11469	USSR	29 SEP		17 OCT 79			
1977-097AX		11470	USSR	29 SEP		23 OCT 79			
1977-097AY		11471	USSR	29 SEP		15 OCT 79			
1977-097AZ		11472	USSR	29 SEP		16 MAR 80			
1977-097B		10383	USSR	29 SEP		05 OCT 77			BP*
1977-097BA		11473	USSR	29 SEP		26 OCT 79			
1977-097BB		11480	USSR	29 SEP		15 OCT 79			
1977-097BC		11489	USSR	29 SEP		26 AUG 79			
1977-097BD		11493	USSR	29 SEP		31 DEC 79			
1977-097BE		11494	USSR	29 SEP		11 OCT 79			
1977-097BF		11495	USSR	29 SEP		21 DEC 79			
1977-097BG		11500	USSR	29 SEP		28 DEC 79			
1977-097BH		11501	USSR	29 SEP		11 SEP 79			
1977-097BJ		11502	USSR	29 SEP		21 DEC 79			
1977-097BK		11503	USSR	29 SEP		22 MAR 80			
1977-097BL		11504	USSR	29 SEP		20 OCT 79			
1977-097BM		11508	USSR	29 SEP		19 JAN 80			
1977-097BN		11523	USSR	29 SEP		09 NOV 79			
1977-097BP		11563	USSR	29 SEP		27 OCT 79			
1977-097BQ		11572	USSR	29 SEP		28 MAY			
1977-097BR		11740	USSR	29 SEP					

DECAYED OBJECTS			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1977-097BS		11832	USSR	29 SEP	05 SEP 80
1977-097BU		11930	USSR	29 SEP	15 OCT 80
1977-097BV		11931	USSR	29 SEP	21 OCT 80
1977-097BW		11934	USSR	29 SEP	08 SEP 80
1977-097BX		11935	USSR	29 SEP	15 OCT 80
1977-097BY		11936	USSR	29 SEP	14 SEP 80
1977-097BZ		11937	USSR	29 SEP	16 OCT 80
1977-097C		10384	USSR	29 SEP	03 OCT 77
1977-097CA		11942	USSR	29 SEP	14 SEP 80
1977-097CB		11947	USSR	29 SEP	16 OCT 80
1977-097CC		11955	USSR	29 SEP	01 OCT 80
1977-097CD		11956	USSR	29 SEP	27 OCT 80
1977-097CE		11957	USSR	29 SEP	21 OCT 80
1977-097CF		11958	USSR	29 SEP	24 SEP 80
1977-097CG		11966	USSR	29 SEP	23 NOV 80
1977-097CH		11967	USSR	29 SEP	06 OCT 80
1977-097CJ		11972	USSR	29 SEP	03 NOV 80
1977-097CK		11973	USSR	29 SEP	15 OCT 80
1977-097CL		11974	USSR	29 SEP	13 OCT 80
1977-097CM		11975	USSR	29 SEP	13 OCT 80
1977-097CN		12090	USSR	29 SEP	26 JAN 81
1977-097CP		12390	USSR	29 SEP	08 MAY 81
1977-097CQ		12391	USSR	29 SEP	22 JUN 81
1977-097CR		12392	USSR	29 SEP	29 APR 81
1977-097CS		12393	USSR	29 SEP	25 APR 81
1977-097CT		12394	USSR	29 SEP	05 MAY 81
1977-097CU		12395	USSR	29 SEP	08 MAY 81
1977-097CV		12398	USSR	29 SEP	27 JUN 81
1977-097CW		12436	USSR	29 SEP	27 JUL 81
1977-097CX		12437	USSR	29 SEP	06 JUL 81
1977-097CY		12438	USSR	29 SEP	12 JUN 81
1977-097CZ		12439	USSR	29 SEP	06 JUL 81
1977-097D		10533	USSR	29 SEP	22 FEB 78
1977-097DA		12440	USSR	29 SEP	11 JUN 81
1977-097DB		12441	USSR	29 SEP	24 MAY 81
1977-097DC		12444	USSR	29 SEP	10 JUL 81
1977-097DD		12476	USSR	29 SEP	22 JUL 81
1977-097DE		12477	USSR	29 SEP	14 SEP 81
1977-097DF		12478	USSR	29 SEP	21 JUL 81
1977-097DG		12479	USSR	29 SEP	19 JUL 81
1977-097DH		12488	USSR	29 SEP	09 SEP 81
1977-097DJ		12493	USSR	29 SEP	07 OCT 81
1977-097DK		12493	USSR	29 SEP	09 SEP 81
1977-097E		10545	USSR	29 SEP	24 APR 78
1977-097F		10547	USSR	29 SEP	12 MAY 78
1977-097G		10548	USSR	29 SEP	25 MAR 78
1977-097H		10553	USSR	29 SEP	27 MAY 78
1977-097J		10596	USSR	29 SEP	14 MAY 78
1977-097K		10597	USSR	29 SEP	21 MAR 78
1977-097L		10598	USSR	29 SEP	08 FEB 78
1977-097M		10685	USSR	29 SEP	06 MAR 78
1977-097N		10686	USSR	29 SEP	06 MAR 78
1977-097P		10687	USSR	29 SEP	06 MAR 78
1977-097Q		10738	USSR	29 SEP	26 APR 78
1977-097R		10740	USSR	29 SEP	15 JUN 78
1977-097S		10743	USSR	29 SEP	17 JUN 78

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1977-097T		10781	USSR	29 SEP	29 MAY 78	
1977-097U		11032	USSR	29 SEP	21 OCT 78	
1977-097V		11033	USSR	29 SEP	14 OCT 78	
1977-097W		11034	USSR	29 SEP	03 DEC 78	
1977-097X		11035	USSR	29 SEP	26 NOV 78	
1977-097Y		11036	USSR	29 SEP	06 MAY 79	
1977-097Z		11091	USSR	29 SEP	14 APR 79	
1977-098A	COSMOS 957	10385	USSR	30 SEP	13 OCT 77	
1977-098B		10386	USSR	30 SEP	05 OCT 77	
1977-098C		10387	USSR	30 SEP	13 OCT 77	
1977-098D		10388	USSR	30 SEP	13 OCT 77	
1977-098E		10406	USSR	30 SEP	15 OCT 77	
1977-098F		10407	USSR	30 SEP	13 OCT 77	
1977-099A	SOYUZ 25	10401	USSR	09 OCT	11 OCT 77	AD*
1977-099B		10402	USSR	09 OCT	11 OCT 77	
1977-100A	COSMOS 958	10403	USSR	11 OCT	24 OCT 77	
1977-100B		10404	USSR	11 OCT	09 NOV 77	
1977-100C		10405	USSR	11 OCT	31 OCT 77	
1977-100D		10426	USSR	11 OCT	05 MAR 78	
1977-100E		10427	USSR	11 OCT	15 SEP 78	
1977-100F		10428	USSR	11 OCT	18 JUN 78	
1977-100G		10429	USSR	11 OCT	16 JAN 78	
1977-101A	COSMOS 959	10419	USSR	21 OCT	30 NOV 77	
1977-101B		10420	USSR	21 OCT	08 NOV 77	
1977-101C		10421	USSR	21 OCT	05 NOV 77	
1977-102A	ISEE 1	10422	US	22 OCT	26 SEP 87	
1977-102B	ISEE 2	10423	ESA	22 OCT	26 SEP 87	
1977-102C		10424	US	22 OCT	23 OCT 78	
1977-103A	COSMOS 960	10430	USSR	25 OCT	22 OCT 80	
1977-103B		10431	USSR	25 OCT	30 NOV 80	
1977-103C		10432	USSR	25 OCT	24 JUN 78	
1977-104A	COSMOS 961	10434	USSR	26 OCT	26 OCT 77	
1977-104B		10435	USSR	26 OCT	27 OCT 77	
1977-105B		10456	USSR	28 OCT	18 NOV 77	
1977-105C		10458	USSR	28 OCT	26 NOV 77	
1977-105D		10458	USSR	28 OCT	26 NOV 77	
1977-105E		10460	USSR	28 OCT	20 NOV 77	
1977-108C		10950	US	23 NOV	12 AUG 90	
1977-110A	COSMOS 964	10498	USSR	04 DEC	17 DEC 77	
1977-110B		10499	USSR	04 DEC	09 DEC 77	
1977-110C		10500	USSR	04 DEC	06 JAN 78	
1977-110D		10522	USSR	04 DEC	20 DEC 77	
1977-110E		10523	USSR	04 DEC	20 DEC 77	
1977-111A		10501	USSR	08 DEC	16 DEC 79	
1977-111AA	COSMOS 965	10910	USSR	08 DEC	04 DEC 78	
1977-111AB		10923	USSR	08 DEC	24 AUG 78	
1977-111AC		10924	USSR	08 DEC	17 AUG 78	
1977-111B		10503	USSR	08 DEC	14 NOV 79	
1977-111C		10505	USSR	08 DEC	15 APR 78	
1977-111D		10682	USSR	08 DEC	17 APR 78	
1977-111E		10683	USSR	08 DEC	01 MAY 78	
1977-111F		10741	USSR	08 DEC	15 MAY 78	
1977-111G		10742	USSR	08 DEC	18 JUL 78	
1977-111H		10780	USSR	08 DEC	24 MAY 78	
1977-111J		10782	USSR	08 DEC	18 JUL 78	
1977-111K		10789	USSR	08 DEC	06 JUN 78	
1977-111L		10795	USSR	08 DEC	01 JUN 78	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1977-111M		10797	USSR	08 DEC	18 JUL 78	
1977-111N		10807	USSR	08 DEC	23 MAY 78	
1977-111P		10809	USSR	08 DEC	20 JUN 78	
1977-111Q		10814	USSR	08 DEC	18 JUN 78	
1977-111R		10815	USSR	08 DEC	08 JUL 79	
1977-111S		10816	USSR	08 DEC	06 JUL 78	
1977-111T		10817	USSR	08 DEC	20 JUN 78	
1977-111U		10858	USSR	08 DEC	30 JUL 78	
1977-111V		10859	USSR	08 DEC	26 JUL 78	
1977-111W		10891	USSR	08 DEC	19 JUL 78	
1977-111X		10892	USSR	08 DEC	25 JUL 78	
1977-111Y		10908	USSR	08 DEC	04 AUG 78	
1977-111Z		10909	USSR	08 DEC	04 DEC 78	
1977-113A	SOYUZ 26	10506	USSR	10 DEC	16 JAN 78	E*
1977-113B		10507	USSR	10 DEC	12 DEC 77	
1977-115A	COSMOS 966	10510	USSR	12 DEC	24 DEC 77	
1977-115B		10511	USSR	12 DEC	18 DEC 77	
1977-115C		10534	USSR	12 DEC	29 DEC 77	
1977-115D		10538	USSR	12 DEC	07 JAN 78	
1977-118D		11072	US	15 DEC	09 OCT 81	
1977-120A	COSMOS 969	10527	USSR	20 DEC	03 JAN 78	
1977-120B		10530	USSR	20 DEC	26 DEC 77	
1977-120C		10549	USSR	20 DEC	05 JAN 78	
1977-120D		10550	USSR	20 DEC	04 JAN 78	
1977-120E		10551	USSR	20 DEC	05 MAR 78	
1977-120F		10552	USSR	20 DEC	05 MAR 78	
1977-121B		10532	USSR	21 DEC	25 DEC 77	
1977-121BN		17731	USSR	21 DEC	15 OCT 91	
1977-121BT		19393	USSR	21 DEC	15 SEP 91	
1977-121BU		19514	USSR	21 DEC	02 FEB 89	
1977-123C		10546	USSR	27 DEC	31 DEC 77	
1977-124A	COSMOS 973	10540	USSR	27 DEC	09 JAN 78	
1977-124B		10542	USSR	27 DEC	05 JAN 78	
1977-124C		10543	USSR	27 DEC	31 DEC 77	
1977-124D		10558	USSR	27 DEC	25 JAN 78	
1977-124E		10559	USSR	27 DEC	11 JAN 78	
1978 LAUNCHES						
1978-001A	COSMOS 974	10554	USSR	06 JAN	19 JAN 78	
1978-001B		10555	USSR	06 JAN	11 JAN 78	
1978-001C		10556	USSR	06 JAN	25 JAN 78	
1978-001D		10601	USSR	06 JAN	26 JAN 78	
1978-001E		10602	USSR	06 JAN	21 JAN 78	
1978-003A	SOYUZ 27	10560	USSR	10 JAN	16 MAR 78	
1978-003B		10583	USSR	10 JAN	13 JAN 78	
1978-006A	COSMOS 984	10592	USSR	13 JAN	22 JAN 78	
1978-006B		10593	USSR	13 JAN	22 JAN 78	
1978-008A	PROGRESS 1	10603	USSR	20 JAN	08 FEB 78	
1978-008B		10604	USSR	20 JAN	23 JAN 78	
1978-009A	MOLNIYA 3-9	10605	USSR	24 JAN	24 APR 90	
1978-009B		10606	USSR	24 JAN	12 MAR 78	
1978-009C		10608	USSR	24 JAN	03 MAR 78	
1978-009D		10610	USSR	24 JAN	08 MAR 78	
1978-009E		10802	USSR	24 JAN	09 AUG 90	
1978-010A	COSMOS 986	10607	USSR	24 JAN	07 FEB 78	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1978-010B		10609	USSR	24 JAN	28 JAN 78	
1978-011A	MAO 8	10611	PRC	26 JAN	07 FEB 78	
1978-011B		10612	PRC	26 JAN	06 FEB 78	
1978-012B		10638	US	26 JAN	21 FEB 78	
1978-013A	COSMOS 987	10639	USSR	31 JAN	14 FEB 78	
1978-013B		10640	USSR	31 JAN	04 FEB 78	
1978-013C		10641	USSR	31 JAN	05 FEB 78	
1978-013D		10670	USSR	31 JAN	05 FEB 78	
1978-013E		10671	USSR	31 JAN	17 FEB 78	
1978-014B		10665	USSR	04 FEB	20 FEB 78	
1978-014G		18816	JAPAN	04 FEB	12 FEB 79	
1978-014H		22008	JAPAN	04 FEB	10 NOV 88	
1978-015A	COSMOS 988	10666	USSR	08 FEB	02 AUG 92	
1978-015B		10667	USSR	08 FEB	20 FEB 78	
1978-015C		10668	USSR	08 FEB	17 FEB 78	
1978-015D		10678	USSR	08 FEB	05 MAR 78	
1978-015E		10679	USSR	08 FEB	22 FEB 78	
1978-015F		10680	USSR	08 FEB	02 MAR 78	
1978-015G		10681	USSR	08 FEB	11 MAR 78	
1978-016B		10724	US	09 FEB	24 FEB 78	
1978-016D		13998	US	09 FEB	31 AUG 82	
1978-017A	COSMOS 989	10672	USSR	14 FEB	21 JUN 89	
1978-017B		10673	USSR	14 FEB	28 FEB 78	
1978-017C		10690	USSR	14 FEB	17 FEB 78	
1978-017D		10691	USSR	14 FEB	01 MAR 78	
1978-023A	SOYUZ 28	10694	USSR	02 MAR	28 FEB 78	
1978-023B		10695	USSR	02 MAR	10 MAR 78	
1978-024A	MOLNIYA 1-39	10696	USSR	02 MAR	05 MAR 78	
1978-024B		10697	USSR	02 MAR	09 MAR 92	
1978-024C		10698	USSR	02 MAR	10 APR 78	
1978-024D		10803	USSR	02 MAR	09 APR 78	
1978-025A		10699	USSR	02 MAR	11 DEC 92	
1978-025B		10700	USSR	04 MAR	17 MAR 78	
1978-025C	COSMOS 992	10701	USSR	04 MAR	10 MAR 78	
1978-026AC		12187	US	05 MAR	05 MAR 78	
1978-026AG		12191	US	05 MAR	12 FEB 88	
1978-026AH		12192	US	05 MAR	22 FEB 89	
1978-026AN		12197	US	05 MAR	28 FEB 89	
1978-026AQ		12199	US	05 MAR	05 FEB 82	
1978-026AT		12202	US	05 MAR	20 FEB 90	
1978-026AW		12205	US	05 MAR	12 NOV 83	
1978-026AY		12207	US	05 MAR	21 JUL 89	
1978-026B		12210	US	05 MAR	16 JUL 84	
1978-026BL		12219	US	05 MAR	11 FEB 90	
1978-026BM		12220	US	05 MAR	10 AUG 89	
1978-026BR		12224	US	05 MAR	13 MAR 91	
1978-026BV		12228	US	05 MAR	31 DEC 92	
1978-026BW		12229	US	05 MAR	05 OCT 90	
1978-026CA		12233	US	05 MAR	05 MAY 81	
1978-026CC		12235	US	05 MAR	12 FEB 88	
1978-026CF		12238	US	05 MAR	08 FEB 89	
1978-026CG		12239	US	05 MAR	15 FEB 82	
1978-026CH		12240	US	05 MAR	05 FEB 82	
1978-026CJ		12241	US	05 MAR	16 APR 84	
1978-026CM		12244	US	05 MAR	11 APR 82	
1978-026CN		12245	US	05 MAR	18 JUN 89	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1978-026CQ		12247	US	05 MAR	02 JUN 88	
1978-026CR		12248	US	05 MAR	17 AUG 81	
1978-026CS		12249	US	05 MAR	16 APR 89	
1978-026CU		12251	US	05 MAR	18 FEB 81	
1978-026CV		12252	US	05 MAR	02 JAN 82	
1978-026CW		12253	US	05 MAR	13 DEC 81	
1978-026CX		12254	US	05 MAR	20 MAR 89	
1978-026CY		12255	US	05 MAR	01 JUL 81	
1978-026DB		12258	US	05 MAR	01 JUL 81	
1978-026DC		12259	US	05 MAR	15 MAR 89	
1978-026DD		12260	US	05 MAR	29 MAY 91	
1978-026DE		12261	US	05 MAR	27 SEP 91	
1978-026DH		12264	US	05 MAR	10 DEC 81	
1978-026DQ		12271	US	05 MAR	18 NOV 81	
1978-026DR		12272	US	05 MAR	07 AUG 89	
1978-026DU		12275	US	05 MAR	27 DEC 81	
1978-026DV		12276	US	05 MAR	20 APR 87	
1978-026DW		12277	US	05 MAR	17 AUG 89	
1978-026EA		12281	US	05 MAR	07 NOV 82	
1978-026EB		12282	US	05 MAR	29 APR 82	
1978-026EF		12286	US	05 MAR	14 OCT 81	
1978-026EJ		12289	US	05 MAR	10 NOV 91	
1978-026ES		12374	US	05 MAR	27 DEC 89	
1978-026FF		13568	US	05 MAR	17 NOV 90	
1978-026FT		13580	US	05 MAR	06 MAR 83	
1978-026FX		14457	US	05 MAR	26 DEC 91	
1978-026GC		14462	US	05 MAR	05 MAY 88	
1978-026GY		17766	US	05 MAR	06 SEP 91	
1978-026GZ		17767	US	05 MAR	12 AUG 89	
1978-026HC		18301	US	05 MAR	02 OCT 88	
1978-026HG		18679	US	05 MAR	22 MAR 91	
1978-026HK		18814	US	05 MAR	11 NOV 89	
1978-026HL		19237	US	05 MAR	15 JUL 89	
1978-026X		12182	US	05 MAR	28 OCT 89	
1978-027A	COSMOS 993	10725	USSR	10 MAR	23 MAR 78	
1978-027B		10726	USSR	10 MAR	14 MAR 78	
1978-027C		10727	USSR	10 MAR	12 MAR 78	
1978-027D		10739	USSR	10 MAR	24 MAR 78	
1978-029A		10733	US	16 MAR	11 SEP 78	
1978-029C		10737	US	16 MAR	17 MAR 78	
1978-030A	COSMOS 995	10735	USSR	17 MAR	30 MAR 78	
1978-030B		10736	USSR	17 MAR	20 MAR 78	
1978-032A	COSMOS 997	10770	USSR	30 MAR	30 MAR 78	
1978-032B	COSMOS 998	10771	USSR	30 MAR	30 MAR 78	
1978-032C		10772	USSR	30 MAR	02 APR 78	
1978-032D		10775	USSR	30 MAR	03 APR 78	
1978-033A	COSMOS 999	10773	USSR	30 MAR	12 APR 78	
1978-033B		10774	USSR	30 MAR	03 APR 78	
1978-033C		10798	USSR	30 MAR	13 APR 78	
1978-033D		10799	USSR	30 MAR	16 APR 78	
1978-033E		10800	USSR	30 MAR	24 APR 78	
1978-036A	COSMOS 1001	10783	USSR	04 APR	15 APR 78	
1978-036B		10784	USSR	04 APR	06 APR 78	
1978-036C		10804	USSR	04 APR	01 JUN 78	
1978-036D		10805	USSR	04 APR	02 MAY 78	
1978-036E		10806	USSR	04 APR	25 APR 78	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1978-036F	COSMOS 1002	10810	USSR	04 APR	23 MAY 78	
1978-037A		10785	USSR	06 APR	19 APR 78	
1978-037B		10786	USSR	06 APR	10 APR 78	
1978-037C		10790	USSR	06 APR	24 APR 78	
1978-037D	COSMOS 1003	10791	USSR	06 APR	24 APR 78	
1978-040A		10811	USSR	06 APR	04 MAY 78	
1978-040B		10812	USSR	20 APR	23 APR 78	
1978-040C		10813	USSR	20 APR	22 APR 78	
1978-040D	HCM	10821	USSR	20 APR	04 MAY 78	
1978-040E		10822	USSR	20 APR	04 MAY 78	
1978-041A		10818	US	26 APR	22 DEC 81	
1978-041B		10819	US	26 APR	24 NOV 80	
1978-042B		10853	US	01 MAY	21 OCT 91	
1978-042C		10854	US	01 MAY	06 MAR 92	
1978-042D		10913	US	01 MAY	01 MAY 86	
1978-042E		10914	US	01 MAY	16 JUN 89	
1978-043A	COSMOS 1004	10846	USSR	05 MAY	18 MAY 78	
1978-043B		10847	USSR	05 MAY	09 MAY 78	
1978-043C		10848	USSR	05 MAY	09 MAY 78	
1978-043D		10849	USSR	05 MAY	09 MAY 78	
1978-043E		10850	USSR	05 MAY	14 MAY 78	
1978-043F		10851	USSR	05 MAY	08 JUN 78	
1978-043G		10852	USSR	05 MAY	16 JUN 78	
1978-046A		10862	USSR	12 MAY	14 MAR 79	
1978-046B	COSMOS 1006	10863	USSR	12 MAY	06 DEC 78	
1978-048A		10895	USSR	16 MAY	29 MAY 78	
1978-048B		10896	USSR	16 MAY	20 MAY 78	
1978-048C		10897	USSR	16 MAY	18 MAY 78	
1978-048D		10921	USSR	16 MAY	31 MAY 78	
1978-048E		10922	USSR	16 MAY	03 JUL 78	
1978-049A		10898	USSR	17 MAY	08 JAN 81	
1978-049B		10899	USSR	17 MAY	06 FEB 81	
1978-049C	COSMOS 1008	10900	USSR	17 MAY	17 DEC 78	
1978-049D		10901	USSR	17 MAY	30 DEC 78	
1978-049E		10902	USSR	17 MAY	17 JUL 78	
1978-049F		10903	USSR	17 MAY	12 SEP 78	
1978-050A	COSMOS 1009	10904	USSR	19 MAY	19 MAY 78	
1978-050B		10905	USSR	19 MAY	05 JUN 78	
1978-050C		10906	USSR	19 MAY	18 JUL 78	
1978-050D		10907	USSR	19 MAY	23 MAY 78	
1978-052A	COSMOS 1010	10915	USSR	23 MAY	05 JUN 78	
1978-052B		10916	USSR	23 MAY	18 JUL 78	
1978-052C		10928	USSR	23 MAY	26 MAY 78	
1978-054A		10919	USSR	23 MAY	07 JUN 78	
1978-054B	COSMOS 1012	10920	USSR	25 MAY	07 JUN 78	
1978-055B		10926	USSR	02 JUN	28 MAY 78	
1978-055C		10927	USSR	02 JUN	21 JUN 78	
1978-055D		10929	USSR	02 JUN	17 JUN 78	
1978-057A	COSMOS 1021	10939	USSR	10 JUN	25 JUN 78	
1978-057B		10940	USSR	10 JUN	23 JUN 78	
1978-057C		10963	USSR	10 JUN	13 JUN 78	
1978-057D		10964	USSR	10 JUN	25 JUN 78	
1978-058C	COSMOS 1022	10943	US	10 JUN	26 JUN 78	
1978-059A		10944	USSR	10 JUN	14 JUN 78	
1978-059B		10945	USSR	12 JUN	25 JUN 78	
1978-059C		10965	USSR	12 JUN	16 JUN 78	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAY	NOTES
			SOURCE			
1978-059D		10966	USSR	12 JUN	28 JUN 78	
1978-060A		10947	US	14 JUN	23 AUG 81	
1978-060B		10948	US	14 JUN	24 JUL 78	
1978-060C		10951	US	14 JUN	18 JUN 78	
1978-060D		10957	US	14 JUN	18 JUN 78	
1978-060E		10958	US	14 JUN	18 JUN 78	
1978-060F		10959	US	14 JUN	18 JUN 78	
1978-061A	SOYUZ 29	10952	USSR	15 JUN	03 SEP 78	E*
1978-061B		10956	USSR	15 JUN	18 JUN 78	
1978-062C		10955	US	16 JUN	20 AUG 83	
1978-064B		14244	US	27 JUN	30 OCT 86	
1978-064C		18617	US	27 JUN	25 MAR 88	
1978-064D		18649	US	27 JUN	01 MAR 88	
1978-064E		18996	US	27 JUN	10 AUG 88	
1978-064F		19103	US	27 JUN	11 JUN 88	
1978-065A	SOYUZ 30	10968	USSR	27 JUN	05 JUL 78	E*
1978-065B		10969	USSR	27 JUN	30 JUN 78	
1978-066B		10971	USSR	28 JUN	31 JUL 78	
1978-066C		10972	USSR	28 JUN	12 JUL 78	
1978-069A	COSMOS 1026	10977	USSR	02 JUL	06 JUL 78	
1978-069B		10978	USSR	02 JUL	07 JUL 78	
1978-070A	PROGRESS 2	10979	USSR	07 JUL	04 AUG 78	
1978-070B		10980	USSR	07 JUL	10 JUL 78	
1978-071B		10982	US	14 JUL	11 DEC 78	
1978-072A	MOLNIYA 1-41	10984	USSR	14 JUL	08 FEB 92	
1978-072B		10985	USSR	14 JUL	30 AUG 78	
1978-072C		10986	USSR	14 JUL	23 AUG 78	
1978-072D		11073	USSR	14 JUL	17 MAR 92	
1978-073B		10988	USSR	18 JUL	20 JUL 78	
1978-073C		10989	USSR	18 JUL	19 JUL 78	
1978-076A	COSMOS 1028	10995	USSR	05 AUG	04 SEP 78	
1978-076B		10996	USSR	05 AUG	07 AUG 78	
1978-076C		10997	USSR	05 AUG	08 AUG 78	
1978-076D		11014	USSR	05 AUG	04 SEP 78	
1978-077A	PROGRESS 3	10999	USSR	07 AUG	23 AUG 78	
1978-077B		11000	USSR	07 AUG	09 AUG 78	
1978-078A	PIONEER VENUS MULTIPROBE BUS	11001	US	08 AUG	09 DEC 78	
1978-078B		11002	US	08 AUG	08 AUG 78	
1978-078D	PIONEER PROBE	12103	US	08 AUG	09 DEC 79	
1978-078E	PIONEER PROBE	12104	US	08 AUG	09 DEC 79	
1978-078F	PIONEER PROBE	12105	US	08 AUG	09 DEC 79	
1978-078G	PIONEER PROBE	12106	US	08 AUG	09 DEC 79	
1978-079B		11005	US	12 AUG	23 OCT 78	
1978-080B		11008	USSR	22 AUG	15 SEP 78	
1978-080C		11009	USSR	22 AUG	06 SEP 78	
1978-081A	SOYUZ 31	11010	USSR	26 AUG	02 NOV 78	E*
1978-081B		11011	USSR	26 AUG	28 AUG 78	
1978-082A	COSMOS 1029	11012	USSR	29 AUG	08 SEP 78	
1978-082B		11013	USSR	29 AUG	03 SEP 78	
1978-082C		11018	USSR	29 AUG	11 SEP 78	
1978-082D		11019	USSR	29 AUG	10 SEP 78	
1978-083B		11016	USSR	06 SEP	08 OCT 78	
1978-083C		11017	USSR	06 SEP	21 SEP 78	
1978-084B		11077	USSR	09 SEP	10 SEP 78	
1978-084C		11021	USSR	09 SEP	10 SEP 78	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1978-084D	VENERA 11	12027	USSR	09 SEP	25 DEC 78	
1978-085A	COSMOS 1031	11022	USSR	09 SEP	22 SEP 78	
1978-085B		11023	USSR	09 SEP	14 SEP 78	
1978-085C		11024	USSR	09 SEP	17 APR 79	
1978-085D		11031	USSR	09 SEP	24 SEP 78	
1978-086B		11026	USSR	14 SEP	15 SEP 78	
1978-086C	VENERA 12	12028	USSR	14 SEP	21 DEC 78	
1978-088A	COSMOS 1032	11029	USSR	19 SEP	02 OCT 78	
1978-088B		11030	USSR	19 SEP	22 SEP 78	
1978-088C		11037	USSR	19 SEP	02 OCT 78	
1978-088D		11038	USSR	19 SEP	02 OCT 78	
1978-089A	COSMOS 1033	11039	USSR	19 SEP	03 OCT 78	
1978-089B		11041	USSR	03 OCT	16 OCT 78	
1978-089C		11063	USSR	03 OCT	06 OCT 78	
1978-090A	PROGRESS 4	11040	USSR	03 OCT	17 OCT 78	
1978-090B		11043	USSR	03 OCT	26 OCT 78	
1978-092A	COSMOS 1042	11052	USSR	06 OCT	05 OCT 78	
1978-092B		11053	USSR	06 OCT	19 OCT 78	
1978-092C		11070	USSR	06 OCT	10 OCT 78	
1978-092D		11071	USSR	06 OCT	21 OCT 78	
1978-093B		11078	US	07 OCT	21 OCT 78	
1978-095B		11058	USSR	13 OCT	25 DEC 91	
1978-095C		11059	USSR	13 OCT	28 OCT 78	
1978-095D		11064	USSR	13 OCT	20 OCT 78	
1978-096D		18532	US	13 OCT	31 OCT 78	
1978-096E		18786	US	13 OCT	20 OCT 88	
1978-097A	COSMOS 1044	11065	USSR	17 OCT	25 FEB 89	
1978-097B		11066	USSR	17 OCT	30 OCT 78	
1978-097C		11067	USSR	17 OCT	22 OCT 78	
1978-097D		11068	USSR	17 OCT	21 OCT 78	
1978-097E		11069	USSR	17 OCT	21 OCT 78	
1978-098C		18605	US	24 OCT	21 OCT 78	
1978-099A	INTERCOSMOS 18	11082	USSR	24 OCT	20 OCT 88	
1978-099B		11083	USSR	24 OCT	17 MAR 81	
1978-099C	MAGION	11110	USSR	24 OCT	13 MAY 81	
1978-100AF		19352	CZECH	26 OCT	11 SEP 81	
1978-100AG		19364	USSR	26 OCT	29 MAR 92	
1978-100E		11177	USSR	26 OCT	26 JUN 92	
1978-101A	PROGNOZ 7	11088	USSR	30 OCT	02 FEB 89	
1978-101B		11090	USSR	30 OCT	22 OCT 80	
1978-101C	COSMOS 1046	11089	USSR	30 OCT	25 NOV 78	
1978-102A		11098	USSR	01 NOV	17 NOV 78	
1978-102B		11099	USSR	01 NOV	13 NOV 78	
1978-102C		11103	USSR	01 NOV	07 NOV 78	
1978-102D		11104	USSR	01 NOV	14 NOV 78	
1978-102E		11105	USSR	01 NOV	15 NOV 78	
1978-102F		11106	USSR	01 NOV	14 NOV 78	
1978-102G		11107	USSR	01 NOV	14 NOV 78	
1978-103A	HEAO 2	11101	US	13 NOV	14 NOV 78	
1978-103B		11102	US	13 NOV	25 MAR 82	
1978-104A	COSMOS 1047	11108	USSR	15 NOV	13 MAR 79	
1978-104B		11109	USSR	15 NOV	28 NOV 78	
1978-104C		11120	USSR	15 NOV	19 NOV 78	
1978-106B		11116	US	19 NOV	02 DEC 78	
1978-106C		11117	US	19 NOV	12 DEC 78	
1978-107A	COSMOS 1049	11118	USSR	21 NOV	28 NOV 82	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1978-107B		11119	USSR	21 NOV	26 NOV 78	
1978-107C		11125	USSR	21 NOV	10 DEC 78	
1978-107D		11126	USSR	21 NOV	08 DEC 78	
1978-107E		11127	USSR	21 NOV	11 DEC 78	
1978-108A	COSMOS 1050	11121	USSR	28 NOV	12 DEC 78	
1978-108B		11122	USSR	28 NOV	08 DEC 78	
1978-108C		11123	USSR	28 NOV	02 JAN 79	
1978-108D		11124	USSR	28 NOV	02 JAN 79	
1978-108E		11143	USSR	28 NOV	15 DEC 78	
1978-110A	COSMOS 1059	11137	USSR	07 DEC	20 DEC 78	
1978-110B		11138	USSR	07 DEC	11 DEC 78	
1978-110C		11157	USSR	07 DEC	23 DEC 78	
1978-110D		11160	USSR	07 DEC	21 DEC 78	
1978-111A	COSMOS 1060	11139	USSR	08 DEC	13 DEC 78	
1978-111B		11140	USSR	08 DEC	14 DEC 78	
1978-113C		11146	US	14 DEC	27 DEC 78	
1978-114A	COSMOS 1061	11148	USSR	14 DEC	20 DEC 78	
1978-114B		11149	USSR	14 DEC	04 JAN 79	
1978-114C		11167	USSR	15 DEC	20 APR 81	
1978-115A	COSMOS 1062	11150	USSR	15 DEC	20 JUN 81	
1978-115B		11151	USSR	15 DEC	07 MAR 79	
1978-115C		11152	USSR	15 DEC	23 APR 79	
1978-116B		11154	US	16 DEC	21 DEC 78	
1978-118B		11159	USSR	19 DEC	12 NOV 89	
1978-119A	COSMOS 1064	11161	USSR	20 DEC	15 NOV 88	
1978-119B		11162	USSR	20 DEC	01 AUG 79	
1978-120A	COSMOS 1065	11163	USSR	22 DEC	18 AUG 79	
1978-120B		11164	USSR	22 DEC	01 MAR 79	
1978-120C		11243	USSR	22 DEC	02 MAR 79	
1978-120D		11244	USSR	22 DEC	03 MAR 79	
1978-120E		11248	USSR	22 DEC	01 MAR 79	
1978-120F		11249	USSR	22 DEC	16 JUL 79	
1978-120G		11424	USSR	22 DEC	05 AUG 79	
1978-120H		11426	USSR	22 DEC	08 JAN 79	
1978-123A	COSMOS 1068	11169	USSR	26 DEC	31 DEC 78	
1978-123B		11171	USSR	26 DEC	01 JAN 79	
1978-123C		11172	USSR	26 DEC	01 JAN 79	
1978-123D		11226	USSR	26 DEC	09 JAN 79	
1978-123E		11227	USSR	26 DEC	09 JAN 79	
1978-124A	COSMOS 1069	11173	USSR	28 DEC	10 JAN 79	
1978-124B		11174	USSR	28 DEC	05 JAN 79	
1978-124C		11175	USSR	28 DEC	31 DEC 78	
1978-124D		11176	USSR	28 DEC	16 JAN 79	
1978-124E		11228	USSR	28 DEC	11 JAN 79	
1978-124F		11237	USSR	28 DEC	22 JAN 79	
1979 LAUNCHES						
1979-001A	COSMOS 1070	11229	USSR	11 JAN	20 JAN 79	
1979-001B		11230	USSR	11 JAN	16 JAN 79	
1979-001C		11231	USSR	11 JAN	18 JAN 79	
1979-001D		11232	USSR	11 JAN	19 JAN 79	
1979-001E		11234	USSR	11 JAN	22 JAN 79	
1979-001F		11245	USSR	11 JAN	27 JAN 79	
1979-001G		11246	USSR	11 JAN	21 JAN 79	
1979-001H		11247	USSR	11 JAN	20 JAN 79	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1979-002A	COSMOS 1071	11233		USSR	13 JAN	26 JAN 79	
1979-002B		11235		USSR	13 JAN	17 JAN 79	
1979-002C		11236		USSR	13 JAN	18 JAN 79	
1979-002D		11250		USSR	13 JAN	27 JAN 79	
1979-002E		11253		USSR	13 JAN	27 JAN 79	
1979-002F		11254		USSR	13 JAN	29 JAN 79	
1979-004B		11241		USSR	13 JAN	31 JAN 79	
1979-004C		11242		USSR	18 JAN	31 JAN 79	
1979-005C		18529		USSR	18 JAN	29 JAN 79	
1979-006A	COSMOS 1073	11255		USSR	25 JAN	25 AUG 88	
1979-006B		11257		USSR	30 JAN	12 FEB 79	
1979-006C		11264		USSR	30 JAN	03 FEB 79	
1979-006D		11265		USSR	30 JAN	14 FEB 79	
1979-007B		11258		USSR	30 JAN	13 FEB 79	
1979-008B		11260		US	30 JAN	25 FEB 79	
1979-008C		11315		USSR	31 JAN	02 FEB 79	
1979-008D		11316		USSR	31 JAN	10 AUG 79	
1979-008E		11317		USSR	31 JAN	06 JUN 79	
1979-008F		11318		USSR	31 JAN	06 AUG 79	
1979-008G		11319		USSR	31 JAN	30 MAY 79	
1979-010A	COSMOS 1075	11262		USSR	08 FEB	22 JUN 79	
1979-010B		11263		USSR	08 FEB	19 OCT 81	
1979-013A	SAGE	11270		US	18 FEB	29 AUG 80	
1979-013B		11271		US	18 FEB	11 APR 89	
1979-013C		12405		US	18 FEB	19 SEP 81	
1979-014A	CORSA B	11272		JAPAN	21 FEB	14 AUG 82	
1979-014B		11280		JAPAN	21 FEB	15 APR 85	
1979-015B		11274		USSR	21 FEB	08 FEB 82	
1979-015C		11275		USSR	21 FEB	22 FEB 79	
1979-016A	COSMOS 1078	11276		USSR	22 FEB	22 FEB 79	
1979-016B		11277		USSR	22 FEB	02 MAR 79	
1979-016C		11287		USSR	22 FEB	24 FEB 79	
1979-017A	SOLWIND	11278		USSR	22 FEB	02 MAR 79	
1979-017AA		16072		US	24 FEB	20 JUL 92	
1979-017AB		16073		US	24 FEB	07 SEP 88	
1979-017AC		16074		US	24 FEB	01 MAY 89	
1979-017AD		16075		US	24 FEB	12 JAN 89	
1979-017AE		16076		US	24 FEB	07 JUL 86	
1979-017AF		16078		US	24 FEB	02 DEC 86	
1979-017AG		16079		US	24 FEB	16 JUL 88	
1979-017AH		16080		US	24 FEB	08 APR 88	
1979-017AJ		16081		US	24 FEB	24 SEP 88	
1979-017AK		16082		US	24 FEB	30 NOV 88	
1979-017AL		16083		US	24 FEB	09 JUL 88	
1979-017AP		16086		US	24 FEB	27 FEB 91	
1979-017AQ		16087		US	24 FEB	19 SEP 88	
1979-017AR		16130		US	24 FEB	28 MAR 90	
1979-017AS		16131		US	24 FEB	10 OCT 85	
1979-017AT		16132		US	24 FEB	15 DEC 85	
1979-017AU		16133		US	24 FEB	24 OCT 85	
1979-017AV		16147		US	24 FEB	27 NOV 87	
1979-017AW		16148		US	24 FEB	07 JUN 87	
1979-017AX		16149		US	24 FEB	20 DEC 85	
1979-017AY		16150		US	24 FEB	19 APR 87	
1979-017AZ		16151		US	24 FEB	13 OCT 87	
1979-017B		11279		US	24 FEB	10 MAY 88	

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1979-017BA		16152	US	24 FEB	28 OCT 86	
1979-017BB		16153	US	24 FEB	21 JAN 86	
1979-017BC		16154	US	24 FEB	24 MAR 88	
1979-017BD		16155	US	24 FEB	19 JUN 88	
1979-017BE		16156	US	24 FEB	21 DEC 87	
1979-017BF		16157	US	24 FEB	27 JUN 88	
1979-017BG		16158	US	24 FEB	12 OCT 88	
1979-017BH		16278	US	24 FEB	13 NOV 88	
1979-017BJ		16279	US	24 FEB	15 APR 87	
1979-017BK		16280	US	24 FEB	10 MAR 89	
1979-017BL		16281	US	24 FEB	13 NOV 87	
1979-017BM		16282	US	24 FEB	28 JAN 88	
1979-017BN		16283	US	24 FEB	10 NOV 87	
1979-017BP		16284	US	24 FEB	25 MAY 88	
1979-017BQ		16298	US	24 FEB	15 FEB 86	
1979-017BR		16299	US	24 FEB	04 MAY 86	
1979-017BS		16300	US	24 FEB	12 JUL 88	
1979-017BT		16301	US	24 FEB	15 FEB 89	
1979-017BU		16302	US	24 FEB	23 APR 87	
1979-017BV		16303	US	24 FEB	04 FEB 89	
1979-017BW		16304	US	24 FEB	20 MAY 86	
1979-017BY		16309	US	24 FEB	27 DEC 89	
1979-017BZ		16310	US	24 FEB	25 AUG 89	
1979-017C		11291	US	24 FEB	29 JUL 79	
1979-017CB		16312	US	24 FEB	24 AUG 89	
1979-017CC		16313	US	24 FEB	21 DEC 89	
1979-017CD		16314	US	24 FEB	11 DEC 88	
1979-017CE		16315	US	24 FEB	03 OCT 86	
1979-017CF		16316	US	24 FEB	29 DEC 88	
1979-017CG		16317	US	24 FEB	13 MAR 89	
1979-017CH		16318	US	24 FEB	30 OCT 86	
1979-017CJ		16319	US	24 FEB	10 JUL 87	
1979-017CK		16320	US	24 FEB	24 APR 79	
1979-017CL		16321	US	24 FEB	13 APR 88	
1979-017CM		16322	US	24 FEB	17 DEC 87	
1979-017CN		16323	US	24 FEB	03 JAN 88	
1979-017CP		16324	US	24 FEB	14 MAR 87	
1979-017CQ		16325	US	24 FEB	21 NOV 86	
1979-017CR		16333	US	24 FEB	14 NOV 88	
1979-017CS		16334	US	24 FEB	06 JAN 87	
1979-017CT		16335	US	24 FEB	22 SEP 86	
1979-017CU		16336	US	24 FEB	19 JAN 89	
1979-017CV		16337	US	24 FEB	08 JUN 86	
1979-017CW		16338	US	24 FEB	03 MAR 86	
1979-017CX		16341	US	24 FEB	30 SEP 88	
1979-017CY		16342	US	24 FEB	25 MAR 86	
1979-017CZ		16343	US	24 FEB	10 SEP 91	
1979-017D		11322	US	24 FEB	27 FEB 82	
1979-017DA		16344	US	24 FEB	01 MAY 87	
1979-017DB		16345	US	24 FEB	08 JUL 87	
1979-017DC		16346	US	24 FEB	06 MAY 88	
1979-017DD		16347	US	24 FEB	06 APR 88	
1979-017DE		16348	US	24 FEB	23 NOV 88	
1979-017DF		16349	US	24 FEB	10 JUL 87	
1979-017DG		16350	US	24 FEB	26 JUL 86	
1979-017DH		16351	US	24 FEB	08 MAY 86	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1979-017DJ		16352	US	24 FEB	12 MAY 86		
1979-017DK		16360	US	24 FEB	10 OCT 87		
1979-017DL		16361	US	24 FEB	15 NOV 86		
1979-017DM		16362	US	24 FEB	25 JAN 86		
1979-017DN		16363	US	24 FEB	08 AUG 87		
1979-017DP		16364	US	24 FEB	03 OCT 88		
1979-017DQ		16365	US	24 FEB	20 MAR 86		
1979-017DR		16366	US	24 FEB	02 SEP 87		
1979-017DS		16367	US	24 FEB	12 OCT 87		
1979-017DT		16413	US	24 FEB	11 AUG 89		
1979-017DU		16414	US	24 FEB	14 OCT 88		
1979-017DV		16415	US	24 FEB	01 MAR 86		
1979-017DW		16416	US	24 FEB	11 DEC 87		
1979-017DX		16417	US	24 FEB	30 MAY 87		
1979-017DY		16418	US	24 FEB	23 JAN 89		
1979-017DZ		16419	US	24 FEB	01 JAN 86		
1979-017E		16027	US	24 FEB	02 JAN 86		
1979-017EA		16420	US	24 FEB	02 SEP 86		
1979-017EB		16421	US	24 FEB	26 AUG 86		
1979-017EC		16422	US	24 FEB	08 AUG 87		
1979-017ED		16423	US	24 FEB	19 JUN 86		
1979-017EE		16424	US	24 FEB	17 APR 86		
1979-017EF		16425	US	24 FEB	27 SEP 86		
1979-017EG		16458	US	24 FEB	12 JUN 88		
1979-017EH		16459	US	24 FEB	17 OCT 86		
1979-017EJ		16460	US	24 FEB	19 MAY 89		
1979-017EK		16461	US	24 FEB	21 APR 86		
1979-017EL		16462	US	24 FEB	28 JAN 86		
1979-017EM		16463	US	24 FEB	06 MAR 86		
1979-017EN		16464	US	24 FEB	22 JAN 86		
1979-017EP		16465	US	24 FEB	06 MAR 86		
1979-017EQ		16466	US	24 FEB	28 OCT 88		
1979-017ER		16467	US	24 FEB	30 JAN 89		
1979-017ES		16468	US	24 FEB	02 JUL 88		
1979-017ET		16469	US	24 FEB	04 FEB 86		
1979-017EU		16470	US	24 FEB	29 OCT 88		
1979-017EV		16471	US	24 FEB	22 OCT 87		
1979-017EW		16472	US	24 FEB	02 AUG 89		
1979-017EX		16473	US	24 FEB	19 MAY 86		
1979-017EY		16474	US	24 FEB	09 JUL 88		
1979-017EZ		16475	US	24 FEB	14 OCT 87		
1979-017F		16028	US	24 FEB	03 APR 88		
1979-017FA		16476	US	24 FEB	24 JAN 88		
1979-017FB		16477	US	24 FEB	29 APR 86		
1979-017FC		16478	US	24 FEB	06 NOV 89		
1979-017FD		16479	US	24 FEB	13 APR 86		
1979-017FH		16486	US	24 FEB	21 JAN 88		
1979-017FJ		16487	US	24 FEB	11 DEC 86		
1979-017FK		16488	US	24 FEB	01 FEB 89		
1979-017FL		16489	US	24 FEB	17 APR 89		
1979-017FM		16515	US	24 FEB	28 DEC 88		
1979-017FN		16516	US	24 FEB	25 AUG 87		
1979-017FP		16517	US	24 FEB	13 APR 86		
1979-017FQ		16518	US	24 FEB	12 OCT 88		
1979-017FR		16519	US	24 FEB	20 DEC 86		
1979-017FS		16520	US	24 FEB	16 MAR 88		

DECAYED OBJECTS			NOTES			
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1979-017FT		16521	US	24 FEB	14 FEB 87	
1979-017FU		16522	US	24 FEB	21 OCT 87	
1979-017FV		16523	US	24 FEB	30 JAN 88	
1979-017FW		16524	US	24 FEB	16 OCT 86	
1979-017FX		16525	US	24 FEB	07 NOV 86	
1979-017FY		16534	US	24 FEB	20 FEB 89	
1979-017FZ		16535	US	24 FEB	13 MAR 87	
1979-017G		16029	US	24 FEB	11 NOV 89	
1979-017GA		16536	US	24 FEB	11 MAY 86	
1979-017GB		16537	US	24 FEB	29 JAN 88	
1979-017GC		16538	US	24 FEB	09 JAN 88	
1979-017GD		16539	US	24 FEB	11 APR 86	
1979-017GE		16542	US	24 FEB	25 OCT 86	
1979-017GF		16543	US	24 FEB	20 APR 87	
1979-017GG		16549	US	24 FEB	24 DEC 88	
1979-017GH		16550	US	24 FEB	02 JAN 90	
1979-017GK		16552	US	24 FEB	18 SEP 87	
1979-017GL		16553	US	24 FEB	24 FEB 88	
1979-017GM		16554	US	24 FEB	27 MAY 87	
1979-017GN		16555	US	24 FEB	29 JUL 87	
1979-017GP		16556	US	24 FEB	12 FEB 86	
1979-017GQ		16557	US	24 FEB	20 JUN 86	
1979-017GR		16558	US	24 FEB	10 MAY 87	
1979-017GS		16559	US	24 FEB	30 APR 86	
1979-017GT		16560	US	24 FEB	24 FEB 87	
1979-017GU		16561	US	24 FEB	16 JAN 88	
1979-017GV		16562	US	24 FEB	25 JUN 86	
1979-017GW		16563	US	24 FEB	26 AUG 86	
1979-017GY		16565	US	24 FEB	11 MAY 88	
1979-017GZ		16566	US	24 FEB	10 OCT 88	
1979-017H		16030	US	24 FEB	23 MAR 89	
1979-017HA		16567	US	24 FEB	22 NOV 89	
1979-017HB		16568	US	24 FEB	01 JUN 88	
1979-017HC		16569	US	24 FEB	15 NOV 87	
1979-017HD		16570	US	24 FEB	06 DEC 92	
1979-017HE		16571	US	24 FEB	28 APR 88	
1979-017HF		16572	US	24 FEB	15 JUL 88	
1979-017HG		16573	US	24 FEB	12 DEC 87	
1979-017HH		16574	US	24 FEB	20 OCT 88	
1979-017HJ		16575	US	24 FEB	17 JUL 87	
1979-017HK		16576	US	24 FEB	08 AUG 88	
1979-017HL		16577	US	24 FEB	05 NOV 86	
1979-017HM		16578	US	24 FEB	27 MAR 86	
1979-017HN		16579	US	24 FEB	27 MAR 86	
1979-017HP		16580	US	24 FEB	09 SEP 87	
1979-017HQ		16581	US	24 FEB	17 JAN 89	
1979-017HR		16582	US	24 FEB	15 JAN 89	
1979-017HS		16583	US	24 FEB	06 MAY 87	
1979-017HT		16584	US	24 FEB	09 SEP 88	
1979-017HU		16585	US	24 FEB	23 JUL 86	
1979-017HV		16586	US	24 FEB	10 FEB 86	
1979-017HW		16587	US	24 FEB	22 JAN 89	
1979-017HX		16588	US	24 FEB	01 JUL 88	
1979-017HY		16660	US	24 FEB	02 FEB 89	
1979-017HZ		16661	US	24 FEB	26 OCT 87	
1979-017J		16031	US	24 FEB	01 JAN 86	

DECAYED OBJECTS			LAUNCH		DECAY		NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES	
1979-017JA		16662	US	24 FEB	30 OCT 86		
1979-017JB		16663	US	24 FEB	31 AUG 88		
1979-017JC		16726	US	24 FEB	20 NOV 88		
1979-017JD		16843	US	24 FEB	23 JUL 88		
1979-017JE		16877	US	24 FEB	04 MAR 88		
1979-017JG		16879	US	24 FEB	11 MAR 87		
1979-017JJ		17095	US	24 FEB	13 NOV 88		
1979-017JK		17100	US	24 FEB	22 SEP 88		
1979-017JL		17101	US	24 FEB	28 MAR 89		
1979-017JM		17165	US	24 FEB	27 JAN 89		
1979-017JN		17166	US	24 FEB	18 OCT 87		
1979-017JP		17167	US	24 FEB	03 DEC 87		
1979-017JQ		17172	US	24 FEB	15 AUG 87		
1979-017JR		17173	US	24 FEB	06 MAY 87		
1979-017JS		17174	US	24 FEB	23 JUN 87		
1979-017JT		17770	US	24 FEB	26 FEB 89		
1979-017JU		17771	US	24 FEB	13 JUL 88		
1979-017JV		17772	US	24 FEB	21 MAR 89		
1979-017JW		17773	US	24 FEB	27 JAN 88		
1979-017JX		17774	US	24 FEB	26 APR 89		
1979-017JY		17775	US	24 FEB	06 AUG 88		
1979-017JZ		17776	US	24 FEB	25 JUN 88		
1979-017K		16032	US	24 FEB	16 AUG 87		
1979-017KA		17777	US	24 FEB	16 DEC 88		
1979-017KB		17778	US	24 FEB	16 SEP 88		
1979-017KC		17779	US	24 FEB	05 JUN 87		
1979-017KD		17780	US	24 FEB	17 JUN 88		
1979-017KE		17781	US	24 FEB	10 NOV 91		
1979-017KF		17782	US	24 FEB	21 FEB 88		
1979-017KG		17783	US	24 FEB	26 AUG 88		
1979-017KH		17784	US	24 FEB	04 JUN 88		
1979-017KJ		17822	US	24 FEB	29 APR 88		
1979-017KK		17823	US	24 FEB	12 NOV 88		
1979-017KL		17824	US	24 FEB	04 MAY 91		
1979-017KM		17825	US	24 FEB	22 OCT 91		
1979-017KN		17826	US	24 FEB	21 MAY 89		
1979-017KP		17827	US	24 FEB	07 OCT 88		
1979-017KQ		17828	US	24 FEB	15 AUG 87		
1979-017KR		17829	US	24 FEB	12 FEB 88		
1979-017KS		17830	US	24 FEB	19 SEP 88		
1979-017KT		17831	US	24 FEB	05 OCT 88		
1979-017KU		17832	US	24 FEB	13 FEB 89		
1979-017KV		18250	US	24 FEB	30 SEP 87		
1979-017KW		18251	US	24 FEB	11 SEP 87		
1979-017KX		18252	US	24 FEB	07 OCT 89		
1979-017KY		18253	US	24 FEB	29 NOV 87		
1979-017KZ		18254	US	24 FEB	28 OCT 87		
1979-017L		16033	US	24 FEB	04 APR 88		
1979-017LA		18255	US	24 FEB	23 JUN 90		
1979-017LB		18303	US	24 FEB	30 JAN 88		
1979-017LC		18304	US	24 FEB	22 JUN 89		
1979-017LD		18423	US	24 FEB	26 MAR 89		
1979-017LE		18424	US	24 FEB	21 SEP 92		
1979-017LF		18425	US	24 FEB	01 DEC 88		
1979-017LG		18464	US	24 FEB	21 MAR 90		
1979-017LH		18486	US	24 FEB	30 OCT 89		

DECAYED OBJECTS		CATALOG			DECAYED OBJECTS		
INTER- NATIONAL DESIGNATION	NAME	NUMBER	SOURCE	LAUNCH	DECAY	NOTES	
1979-017LJ		18487	US	24 FEB	28 JAN 89		
1979-017LK		18546	US	24 FEB	13 MAR 89		
1979-017LL		18604	US	24 FEB	21 APR 89		
1979-017LM		18612	US	24 FEB	05 AUG 89		
1979-017LN		18646	US	24 FEB	19 SEP 88		
1979-017LP		18695	US	24 FEB	14 JAN 88		
1979-017LQ		18776	US	24 FEB	06 APR 89		
1979-017LR		18818	US	24 FEB	10 NOV 88		
1979-017LS		18867	US	24 FEB	20 OCT 88		
1979-017LT		18871	US	24 FEB	14 FEB 90		
1979-017LV		18873	US	24 FEB	26 APR 89		
1979-017LW		18915	US	24 FEB	10 DEC 89		
1979-017LX		19060	US	24 FEB	12 MAR 89		
1979-017LY		19061	US	24 FEB	04 NOV 88		
1979-017LZ		19156	US	24 FEB	17 MAR 89		
1979-017M		19350	US	24 FEB	07 APR 89		
1979-017N		16034	US	24 FEB	27 JUN 86		
1979-017P		16035	US	24 FEB	31 OCT 88		
1979-017Q		16036	US	24 FEB	12 MAY 90		
1979-017R		16037	US	24 FEB	08 OCT 85		
1979-017S		16038	US	24 FEB	27 DEC 88		
1979-017T		16039	US	24 FEB	09 AUG 88		
1979-017U		16040	US	24 FEB	23 FEB 87		
1979-017V		16041	US	24 FEB	20 AUG 89		
1979-017W		16042	US	24 FEB	29 JUL 88		
1979-017X		16043	US	24 FEB	18 DEC 85		
1979-017Y		16044	US	24 FEB	20 MAY 89		
1979-017Z		16045	US	24 FEB	23 MAY 89		
1979-018A	SOYUZ 32	16071	USSR	24 FEB	22 JUL 87		
1979-018B		11281	USSR	25 FEB	13 JUN 79		
1979-019A	COSMOS 1079	11282	USSR	27 FEB	27 FEB 79		
1979-019B		11283	USSR	27 FEB	11 MAR 79		
1979-020C		11284	USSR	27 FEB	02 MAR 79		
1979-022A	PROGRESS 5	11323	USSR	27 FEB	02 SEP 80		
1979-022B		11292	USSR	12 MAR	05 APR 79		
1979-023A	COSMOS 1080	11293	USSR	12 MAR	14 MAR 79		
1979-023B		11294	USSR	14 MAR	28 MAR 79		
1979-023C		11295	USSR	14 MAR	16 MAR 79		
1979-023D		11310	USSR	14 MAR	27 MAR 79		
1979-023E		11311	USSR	14 MAR	27 MAR 79		
1979-025A		11312	USSR	14 MAR	28 MAR 79		
1979-025C		11305	US	16 MAR	22 SEP 79		
1979-008A	COSMOS 1074	11307	US	16 MAR	18 MAR 79		
1979-027A	COSMOS 1090	11259	USSR	31 MAR	01 APR 79		
1979-027B		11313	USSR	31 MAR	13 APR 79		
1979-029A	SOYUZ 33	11314	USSR	31 MAR	05 APR 79		
1979-029B		11324	USSR	10 APR	12 APR 79		
1979-031B		11325	USSR	10 APR	13 APR 79		
1979-031C		11329	USSR	12 APR	08 MAY 79		
1979-033A	COSMOS 1094	11330	USSR	12 APR	05 MAY 79		
1979-033B		11333	USSR	18 APR	07 NOV 79		
1979-033C		11334	USSR	18 APR	18 APR 79		
1979-034A	COSMOS 1095	11367	USSR	18 APR	17 JUN 79		
1979-034B		11335	USSR	20 APR	04 MAY 79		
1979-034C		11336	USSR	20 APR	27 APR 79		
		11337	USSR	20 APR	01 MAY 79		

DECAYED OBJECTS			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1979-034D		11351	USSR	20 APR	18 NOV 79
1979-034E		11352	USSR	20 APR	21 JUN 79
1979-034F		11354	USSR	20 APR	10 JUL 79
1979-034G		11355	USSR	20 APR	01 JUN 79
1979-035B		11344	USSR	25 APR	26 APR 79
1979-035C		11345	USSR	25 APR	25 APR 79
1979-035D		11552	USSR	25 APR	01 JAN 80
1979-036A	COSMOS 1096	11346	USSR	25 APR	24 NOV 79
1979-036B		11347	USSR	25 APR	25 APR 79
1979-037A	COSMOS 1097	11348	USSR	25 APR	27 MAY 79
1979-037B		11349	USSR	27 APR	30 APR 79
1979-039A	PROGRESS 6	11356	USSR	13 MAY	09 JUN 79
1979-039B		11357	USSR	13 MAY	15 MAY 79
1979-040A	COSMOS 1098	11358	USSR	15 MAY	28 MAY 79
1979-040B		11359	USSR	15 MAY	19 MAY 79
1979-040C		11370	USSR	15 MAY	30 MAY 79
1979-041A	COSMOS 1099	11360	USSR	17 MAY	30 MAY 79
1979-041B		11361	USSR	17 MAY	21 MAY 79
1979-041C		11371	USSR	17 MAY	22 JUN 79
1979-041D		11373	USSR	17 MAY	21 JUN 79
1979-041E		11374	USSR	22 MAY	02 JUN 79
1979-042A	COSMOS 1100	11362	USSR	22 MAY	23 MAY 79
1979-042B	COSMOS 1101	11363	USSR	22 MAY	23 MAY 79
1979-042C		11364	USSR	22 MAY	26 MAY 79
1979-042D		11365	USSR	22 MAY	16 JUN 79
1979-042E		11366	USSR	22 MAY	25 MAY 79
1979-043A	COSMOS 1102	11368	USSR	25 MAY	07 JUN 79
1979-043B		11369	USSR	25 MAY	29 MAY 79
1979-043C		11375	USSR	25 MAY	06 JUN 79
1979-043D		11390	USSR	25 MAY	13 JUL 79
1979-043E		11391	USSR	25 MAY	03 JUN 79
1979-044A		11372	US	28 MAY	26 AUG 79
1979-045A	COSMOS 1103	11376	USSR	31 MAY	14 JUN 79
1979-045B		11377	USSR	31 MAY	24 JUN 79
1979-045C		11380	USSR	31 MAY	05 JUN 79
1979-045D		11381	USSR	31 MAY	08 JUN 79
1979-045E		11402	USSR	31 MAY	27 JUL 79
1979-045F		11406	USSR	31 MAY	09 JUL 79
1979-045G		11407	USSR	31 MAY	15 NOV 79
1979-047A	UK 6	11382	UK	02 JUN	23 SEP 90
1979-047B		11383	US	02 JUN	10 APR 88
1979-048A	MOLNIYA 3-12	11384	USSR	05 JUN	26 SEP 92
1979-048B		11385	USSR	05 JUN	24 JUN 79
1979-048C		11386	USSR	05 JUN	21 JUN 79
1979-048D		11554	USSR	05 JUN	05 AUG 90
1979-049A		11387	USSR	06 JUN	19 AUG 79
1979-049B	SOYUZ 34	11388	USSR	06 JUN	09 JUN 79
1979-050E		11411	US	06 JUN	08 JUN 82
1979-050F		11412	US	06 JUN	23 FEB 82
1979-051A	BHASKARA	11392	INDIA	07 JUN	17 FEB 89
1979-051B		11393	USSR	07 JUN	17 FEB 82
1979-052A	COSMOS 1105	11394	USSR	08 JUN	21 JUN 79
1979-052B		11395	USSR	08 JUN	12 JUN 79
1979-052C		11396	USSR	08 JUN	08 JUN 79
1979-052D		11409	USSR	08 JUN	28 JUL 79
1979-053B		11398	US	10 JUN	11 JUN 79

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1979-054A	COSMOS 1106	11399	USSR	12 JUN	25 JUN 79	
1979-054B		11400	USSR	12 JUN	15 JUN 79	
1979-054C		11401	USSR	12 JUN	07 AUG 79	
1979-054D		11415	USSR	12 JUN	30 JUN 79	
1979-055A	COSMOS 1107	11404	USSR	15 JUN	29 JUN 79	
1979-055B		11405	USSR	15 JUN	20 JUN 79	
1979-055C		11420	USSR	15 JUN	02 JUL 79	
1979-055D		11428	USSR	15 JUN	03 JUL 79	
1979-056A	COSMOS 1108	11413	USSR	22 JUN	05 JUL 79	
1979-056B		11414	USSR	22 JUN	25 JUN 79	
1979-056C		11437	USSR	22 JUN	08 JUL 79	
1979-056D		11438	USSR	22 JUN	11 JUL 79	
1979-056E		11439	USSR	22 JUN	21 JUL 79	
1979-058B		11418	USSR	27 JUN	26 JUL 79	
1979-058C		11423	USSR	27 JUN	13 JUL 79	
1979-059A	PROGRESS 7	11421	USSR	28 JUN	20 JUL 79	
1979-059B		11422	USSR	28 JUN	30 JUN 79	
1979-061A	COSMOS 1111	11429	USSR	29 JUN	14 JUL 79	
1979-061B		11430	USSR	29 JUN	20 JUL 79	
1979-061C		11453	USSR	29 JUN	05 DEC 79	
1979-061D		11454	USSR	29 JUN	25 AUG 79	
1979-061E		11455	USSR	29 JUN	30 JUL 79	
1979-061F		11456	USSR	29 JUN	25 AUG 79	
1979-062B		11441	USSR	05 JUL	07 JUL 79	
1979-062C		11442	USSR	05 JUL	07 JUL 79	
1979-062E		14070	USSR	05 JUL	28 APR 84	
1979-063A	COSMOS 1112	11443	USSR	06 JUL	21 JAN 80	
1979-063AA		11643	USSR	06 JUL	21 DEC 79	
1979-063AB		11644	USSR	06 JUL	21 DEC 79	
1979-063B		11444	USSR	06 JUL	08 JAN 80	
1979-063C		11445	USSR	06 JUL	08 JUL 79	
1979-063D		11446	USSR	06 JUL	01 AUG 79	
1979-063E		11514	USSR	06 JUL	23 SEP 79	
1979-063F		11535	USSR	06 JUL	20 OCT 79	
1979-063G		11557	USSR	06 JUL	21 OCT 79	
1979-063H		11583	USSR	06 JUL	05 NOV 79	
1979-063J		11584	USSR	06 JUL	05 NOV 79	
1979-063K		11594	USSR	06 JUL	07 NOV 79	
1979-063L		11595	USSR	06 JUL	11 NOV 79	
1979-063M		11596	USSR	06 JUL	05 JAN 80	
1979-063N		11597	USSR	06 JUL	20 FEB 80	
1979-063P		11598	USSR	06 JUL	01 NOV 79	
1979-063Q		11599	USSR	06 JUL	07 DEC 79	
1979-063R		11603	USSR	06 JUL	12 NOV 79	
1979-063S		11617	USSR	06 JUL	05 DEC 79	
1979-063T		11618	USSR	06 JUL	22 NOV 79	
1979-063U		11619	USSR	06 JUL	05 DEC 79	
1979-063V		11620	USSR	06 JUL	30 NOV 79	
1979-063W		11625	USSR	06 JUL	04 DEC 79	
1979-063X		11626	USSR	06 JUL	04 DEC 79	
1979-063Y		11627	USSR	06 JUL	05 DEC 79	
1979-063Z		11628	USSR	06 JUL	07 DEC 79	
1979-064A	COSMOS 1113	11447	USSR	10 JUL	23 JUL 79	
1979-064B		11448	USSR	10 JUL	15 JUL 79	
1979-064C		11459	USSR	10 JUL	26 JUL 79	
1979-064D		11460	USSR	10 JUL	27 JUL 79	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1979-064E		11461	USSR	10 JUL	25 JUL 79	
1979-065A	COSMOS 1114	11449	USSR	11 JUL	26 DEC 81	
1979-065B		11450	USSR	11 JUL	05 FEB 82	
1979-066A	COSMOS 1115	11451	USSR	13 JUL	26 JUL 79	
1979-066B		11452	USSR	13 JUL	17 JUL 79	
1979-066C		11462	USSR	13 JUL	20 AUG 79	
1979-068A	COSMOS 1117	11463	USSR	25 JUL	07 AUG 79	
1979-068B		11464	USSR	25 JUL	29 JUL 79	
1979-068C		11481	USSR	25 JUL	11 AUG 79	
1979-068D		11482	USSR	25 JUL	10 AUG 79	
1979-068E		11483	USSR	25 JUL	11 AUG 79	
1979-069A	COSMOS 1118	11465	USSR	27 JUL	09 AUG 79	
1979-069B		11466	USSR	27 JUL	31 JUL 79	
1979-069C		11477	USSR	27 JUL	07 AUG 79	
1979-070B		11475	USSR	31 JUL	20 AUG 79	
1979-070C	COSMOS 1119	11476	USSR	31 JUL	14 AUG 79	
1979-071A		11478	USSR	03 AUG	18 AUG 79	
1979-071B		11479	USSR	03 AUG	07 AUG 79	
1979-072B		11490	US	10 AUG	10 AUG 79	
1979-073A	COSMOS 1120	11485	USSR	11 AUG	24 AUG 79	
1979-073B		11486	USSR	11 AUG	15 AUG 79	
1979-073C		11505	USSR	11 AUG	28 AUG 79	
1979-073D		11506	USSR	11 AUG	31 AUG 79	
1979-074A	COSMOS 1121	11487	USSR	14 AUG	13 SEP 79	
1979-074B		11488	USSR	14 AUG	18 AUG 79	
1979-075A	COSMOS 1122	11491	USSR	17 AUG	30 AUG 79	
1979-075B		11492	USSR	17 AUG	20 AUG 79	
1979-075C		11498	USSR	17 AUG	27 AUG 79	
1979-075D		11499	USSR	17 AUG	25 AUG 79	
1979-075E		11507	USSR	17 AUG	27 AUG 79	
1979-076A	COSMOS 1123	11496	USSR	21 AUG	03 SEP 79	
1979-076B		11497	USSR	21 AUG	24 AUG 79	
1979-076C		11517	USSR	21 AUG	06 SEP 79	
1979-076D		11518	USSR	21 AUG	06 SEP 79	
1979-077B		11519	USSR	21 AUG	07 SEP 79	
1979-077C		11512	USSR	28 AUG	28 SEP 79	
1979-079A	COSMOS 1126	11513	USSR	28 AUG	11 SEP 79	
1979-079B		11515	USSR	31 AUG	14 SEP 79	
1979-079C		11516	USSR	31 AUG	09 SEP 79	
1979-079D		11524	USSR	31 AUG	26 OCT 79	
1979-079E		11525	USSR	31 AUG	16 FEB 80	
1979-079F		11526	USSR	31 AUG	14 FEB 80	
1979-079G		11527	USSR	31 AUG	16 SEP 79	
1979-080A	COSMOS 1127	11528	USSR	31 AUG	17 OCT 79	
1979-080B		11520	USSR	05 SEP	18 SEP 79	
1979-080C		11521	USSR	05 SEP	10 SEP 79	
1979-080D		11522	USSR	05 SEP	06 SEP 79	
1979-081A	COSMOS 1128	11531	USSR	05 SEP	30 SEP 79	
1979-081B		11529	USSR	14 SEP	27 SEP 79	
1979-081C		11530	USSR	14 SEP	17 SEP 79	
1979-082A	HEAO 3	11547	USSR	20 SEP	27 SEP 79	
1979-082B		11532	US	20 SEP	07 DEC 81	
1979-083A	COSMOS 1129	11533	US	20 SEP	13 NOV 79	
1979-083B		11536	USSR	25 SEP	14 OCT 79	
1979-083C		11537	USSR	25 SEP	06 OCT 79	
1979-083C		11579	USSR	25 SEP	31 OCT 79	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1979-083D		11580	USSR	25 SEP	18 OCT 79	
1979-083E		11582	USSR	25 SEP	16 MAR 80	
1979-085A	COSMOS 1138	11548	USSR	28 SEP	12 OCT 79	
1979-085B		11549	USSR	28 SEP	05 OCT 79	
1979-085C		11575	USSR	28 SEP	02 NOV 79	
1979-085D		11576	USSR	28 SEP	13 OCT 79	
1979-085E		11577	USSR	28 SEP	12 NOV 79	
1979-085F		11578	USSR	28 SEP	26 FEB 80	
1979-086B		11559	US	01 OCT	07 OCT 79	
1979-087B		11562	USSR	03 OCT	05 OCT 79	
1979-088A	COSMOS 1139	11564	USSR	05 OCT	18 OCT 79	
1979-088B		11565	USSR	05 OCT	11 OCT 79	
1979-088C		11566	USSR	05 OCT	07 OCT 79	
1979-090D		11588	USSR	16 OCT	07 SEP 82	
1979-091B		11590	USSR	20 OCT	11 NOV 79	
1979-091C		11591	USSR	20 OCT	10 NOV 79	
1979-092A	COSMOS 1142	11592	USSR	22 OCT	04 NOV 79	
1979-092B		11593	USSR	22 OCT	28 OCT 79	
1979-092C		11613	USSR	22 OCT	25 MAR 80	
1979-092D		11614	USSR	22 OCT	01 DEC 79	
1979-092E		11615	USSR	22 OCT	21 NOV 79	
1979-092F		11616	USSR	22 OCT	09 MAR 80	
1979-094A	MAGSAT	11604	US	30 OCT	11 JUN 80	
1979-094B		11606	US	30 OCT	27 JAN 80	
1979-094C		11607	US	30 OCT	22 FEB 80	
1979-096A	INTERCOSMOS 20	11609	USSR	01 NOV	05 MAR 81	
1979-096B		11610	USSR	01 NOV	26 MAR 81	
1979-097A	COSMOS 1144	11611	USSR	02 NOV	04 DEC 79	
1979-097B		11612	USSR	02 NOV	05 NOV 79	
1979-098D		11624	US	21 NOV	21 NOV 79	
1979-100A	COSMOS 1146	11632	USSR	05 DEC	25 NOV 81	
1979-100B		11633	USSR	05 DEC	31 JAN 81	
1979-101B		11636	US	07 DEC	09 APR 80	
1979-101C		11637	US	07 DEC	27 MAR 80	
1979-102A	COSMOS 1147	11638	USSR	12 DEC	26 DEC 79	
1979-102B		11639	USSR	12 DEC	19 DEC 79	
1979-102C		11646	USSR	12 DEC	15 JAN 80	
1979-103A	SOYUZ T-1	11647	USSR	12 DEC	09 MAR 80	
1979-103B		11640	USSR	16 DEC	25 MAR 80	
1979-103C		11641	USSR	16 DEC	18 DEC 79	
1979-104A	ARIANE V1	11645	ESA	24 DEC	27 NOV 89	
1979-104B		11659	ESA	24 DEC	14 NOV 82	
1979-105B		11651	USSR	28 DEC	30 DEC 79	
1979-105C		11660	USSR	28 DEC	15 APR 82	
1979-105D		11661	USSR	28 DEC	03 DEC 84	
1979-106A	COSMOS 1148	11649	USSR	28 DEC	10 JAN 80	
1979-106B		11650	USSR	28 DEC	31 DEC 79	
1979-106C		11654	USSR	28 DEC	10 JAN 80	
1979-106D		11655	USSR	28 DEC	15 JAN 80	
1979-106E		11657	USSR	28 DEC	15 JAN 80	
1979-106F		11658	USSR	28 DEC	11 JAN 80	

1980 LAUNCHES

1980-001A	COSMOS 1149	11652	USSR	09 JAN	23 JAN 80	
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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1980-001B		11653	USSR	09 JAN	17 JAN 80	
1980-001C		11656	USSR	09 JAN	19 JAN 80	
1980-001D		11673	USSR	09 JAN	11 JUN 80	
1980-001E		11674	USSR	09 JAN	18 FEB 80	
1980-001F		11675	USSR	09 JAN	11 JUN 80	
1980-001G		11677	USSR	09 JAN	27 JAN 80	
1980-002A	MOLNIYA 1-46	11662	USSR	11 JAN	22 OCT 92	
1980-002B		11663	USSR	11 JAN	28 JAN 80	
1980-002C		11664	USSR	11 JAN	24 JAN 80	
1980-002D		11665	USSR	11 JAN	11 JAN 80	
1980-002E		11666	USSR	11 JAN	21 JAN 80	
1980-002F		11670	USSR	11 JAN	04 DEC 92	
1980-004B		11719	US	18 JAN	05 JAN 90	
1980-006A	COSMOS 1152	11678	USSR	24 JAN	06 FEB 80	
1980-006B		11679	USSR	24 JAN	28 JAN 80	
1980-009A	COSMOS 1155	11685	USSR	07 FEB	21 FEB 80	
1980-009B		11686	USSR	07 FEB	16 FEB 80	
1980-009C		11711	USSR	07 FEB	13 MAR 80	
1980-009D		11712	USSR	07 FEB	02 MAR 80	
1980-009E		11717	USSR	07 FEB	10 APR 80	
1980-010A		11687	US	07 FEB	30 OCT 82	
1980-010B		11688	US	07 FEB	13 MAR 80	
1980-010C		11689	US	07 FEB	08 FEB 80	
1980-012K		11725	USSR	11 FEB	05 MAR 80	
1980-013A	COSMOS 1164	11700	USSR	12 FEB	12 JAN 81	
1980-013B		11701	USSR	12 FEB	10 MAR 80	
1980-013C		11702	USSR	12 FEB	03 APR 80	
1980-013D		11949	USSR	12 FEB	08 NOV 80	
1980-014A	SMM	11703	US	14 FEB	02 DEC 89	
1980-014B		11704	US	14 FEB	16 MAY 89	
1980-014C		20325	US	14 FEB	23 NOV 89	
1980-015A	TANSEI 4	11706	JAPAN	17 FEB	12 MAY 83	
1980-015B		11707	JAPAN	17 FEB	20 JAN 84	
1980-015C		11810	JAPAN	17 FEB	27 AUG 80	
1980-015D		11948	JAPAN	17 FEB	08 OCT 80	
1980-016B		11709	USSR	20 FEB	22 FEB 80	
1980-016C		11710	USSR	20 FEB	22 FEB 80	
1980-016E		11801	USSR	20 FEB	12 JAN 81	
1980-016F		11802	USSR	20 FEB	15 APR 82	
1980-017A	COSMOS 1165	11713	USSR	21 FEB	05 MAR 80	
1980-017B		11714	USSR	21 FEB	25 FEB 80	
1980-017C		11726	USSR	21 FEB	07 MAR 80	
1980-017D		11727	USSR	21 FEB	06 MAR 80	
1980-018B		11716	USSR	22 FEB	28 FEB 80	
1980-018D		13262	JAPAN	22 FEB	08 JUN 82	
1980-020A	COSMOS 1166	11722	USSR	04 MAR	18 MAR 80	
1980-020B		11723	USSR	04 MAR	13 MAR 80	
1980-020C		11724	USSR	04 MAR	10 MAR 80	
1980-020D		11737	USSR	04 MAR	04 SEP 80	
1980-020E		11738	USSR	04 MAR	28 APR 80	
1980-020F		11739	USSR	04 MAR	09 APR 80	
1980-021A	COSMOS 1167	11729	USSR	14 MAR	01 OCT 81	
1980-021B		11730	USSR	14 MAR	14 MAR 80	
1980-021C		12605	USSR	14 MAR	06 AUG 81	
1980-021D		12606	USSR	14 MAR	01 DEC 82	
1980-021E		12607	USSR	14 MAR	22 AUG 81	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1980-021F		12608	USSR	14 MAR	12 AUG 81	
1980-021G		12609	USSR	14 MAR	15 OCT 81	
1980-021H		12610	USSR	14 MAR	14 DEC 81	
1980-021J		12611	USSR	14 MAR	22 AUG 81	
1980-021K		12612	USSR	14 MAR	16 AUG 81	
1980-021L		12613	USSR	14 MAR	02 AUG 81	
1980-021M		12615	USSR	14 MAR	27 AUG 81	
1980-021N		12616	USSR	14 MAR	27 AUG 81	
1980-023A	COSMOS 1169	11741	USSR	27 MAR	03 MAR 83	
1980-023B		11742	USSR	27 MAR	04 NOV 81	
1980-024A	PROGRESS 8	11743	USSR	27 MAR	26 APR 80	
1980-024B		11744	USSR	27 MAR	29 MAR 80	
1980-025A	COSMOS 1170	11747	USSR	01 APR	12 APR 80	
1980-025B		11748	USSR	01 APR	05 APR 80	
1980-025C		11749	USSR	01 APR	03 APR 80	
1980-025D		11755	USSR	01 APR	14 APR 80	
1980-025E		11756	USSR	01 APR	13 APR 80	
1980-025F		11757	USSR	01 APR	13 APR 80	
1980-027A	SOYUZ 35	11753	USSR	09 APR	03 JUN 80	
1980-027B		11754	USSR	09 APR	11 APR 80	
1980-028B		11759	USSR	12 APR	26 APR 80	
1980-028C		11760	USSR	12 APR	08 MAY 80	
1980-028D		11761	USSR	12 APR	20 APR 80	
1980-029A		11763	USSR	17 APR	28 APR 80	
1980-029B		11764	USSR	17 APR	21 APR 80	
1980-029C		11786	USSR	17 APR	30 APR 80	
1980-029D		11787	USSR	17 APR	30 APR 80	
1980-030AA		12356	USSR	18 APR	21 MAR 82	
1980-030AB		12357	USSR	18 APR	09 NOV 89	
1980-030AC		12358	USSR	18 APR	25 OCT 82	
1980-030AD		12359	USSR	18 APR	17 AUG 81	
1980-030AF		12361	USSR	18 APR	27 JUL 81	
1980-030AG		12362	USSR	18 APR	18 APR 82	
1980-030AH		13925	USSR	18 APR	10 MAR 91	
1980-030AJ		13926	USSR	18 APR	31 AUG 88	
1980-030AK		13927	USSR	18 APR	15 MAR 89	
1980-030AL		13928	USSR	18 APR	21 JUN 88	
1980-030AN		13930	USSR	18 APR	02 MAY 91	
1980-030AP		13931	USSR	18 APR	18 FEB 91	
1980-030AR		13945	USSR	18 APR	30 SEP 83	
1980-030AS		14920	USSR	18 APR	27 DEC 89	
1980-030AT		14921	USSR	18 APR	20 OCT 88	
1980-030AU		14922	USSR	18 APR	17 JAN 89	
1980-030AV		14923	USSR	18 APR	03 FEB 89	
1980-030AW		15759	USSR	18 APR	14 FEB 88	
1980-030B		11766	USSR	18 APR	20 APR 80	
1980-030C		11771	USSR	18 APR	30 DEC 80	
1980-030D		11772	USSR	18 APR	19 APR 81	
1980-030E		11773	USSR	18 APR	17 JAN 81	
1980-030F		11774	USSR	18 APR	17 APR 81	
1980-030G		11775	USSR	18 APR	10 AUG 89	
1980-030H		11776	USSR	18 APR	17 FEB 82	
1980-030L		11779	USSR	18 APR	10 MAR 83	
1980-030M		11780	USSR	18 APR	17 FEB 81	
1980-030P		11782	USSR	18 APR	24 JUN 84	
1980-030Q		12098	USSR	18 APR	01 DEC 82	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1980-030S		12344	USSR	18 APR	08 SEP 82	
1980-030T		12345	USSR	18 APR	09 JAN 92	
1980-030U		12346	USSR	18 APR	24 APR 82	
1980-030W		12348	USSR	18 APR	26 FEB 91	
1980-030X		12349	USSR	18 APR	15 DEC 82	
1980-030Z		12355	USSR	18 APR	03 DEC 81	
1980-031A		11767	USSR	18 APR	28 MAY 80	
1980-031B	COSMOS 1175	11768	USSR	18 APR	02 MAY 80	
1980-031C		11769	USSR	18 APR	29 SEP 80	
1980-031D		11770	USSR	18 APR	30 MAY 80	
1980-033A	PROGRESS 9	11784	USSR	27 APR	22 MAY 80	
1980-033B		11785	USSR	29 APR	29 APR 80	
1980-034B		11968	USSR	29 APR	04 OCT 80	
1980-034C		11969	USSR	29 APR	12 SEP 80	
1980-035A	COSMOS 1177	11789	USSR	29 APR	12 JUN 80	
1980-035B		11790	USSR	29 APR	02 MAY 80	
1980-035C		11840	USSR	29 APR	16 JUN 80	
1980-036A	COSMOS 1178	11793	USSR	07 MAY	22 MAY 80	
1980-036B		11794	USSR	07 MAY	14 MAY 80	
1980-036C		11795	USSR	07 MAY	12 MAY 80	
1980-036D		11805	USSR	07 MAY	07 JUL 80	
1980-036E		11806	USSR	07 MAY	16 NOV 80	
1980-036F		11807	USSR	07 MAY	22 JUN 80	
1980-037A	COSMOS 1179	11796	USSR	14 MAY	18 JUL 89	
1980-037B		11797	USSR	14 MAY	11 JAN 83	
1980-038A	COSMOS 1180	11798	USSR	15 MAY	26 MAY 80	
1980-038B		11799	USSR	15 MAY	23 MAY 80	
1980-038C		11800	USSR	15 MAY	17 MAY 80	
1980-038D		11813	USSR	15 MAY	30 MAY 80	
1980-038E		11814	USSR	15 MAY	31 MAY 80	
1980-038F		11815	USSR	15 MAY	31 MAY 80	
1980-040A	COSMOS 1182	11808	USSR	23 MAY	05 JUN 80	
1980-040B		11809	USSR	23 MAY	26 MAY 80	
1980-040D		11824	USSR	23 MAY	09 JUN 80	
1980-041A	SOYUZ 36	11811	USSR	26 MAY	31 JUL 80	
1980-041B		11812	USSR	26 MAY	29 MAY 80	
1980-042A	COSMOS 1183	11816	USSR	28 MAY	11 JUN 80	
1980-042B		11817	USSR	28 MAY	05 JUN 80	
1980-042C		11818	USSR	28 MAY	09 JUN 80	
1980-042D		11833	USSR	28 MAY	13 JUL 80	
1980-042E		11834	USSR	28 MAY	03 AUG 80	
1980-042F		11835	USSR	28 MAY	14 JUN 80	
1980-042G		11836	USSR	28 MAY	04 DEC 80	
1980-043A	NOAA B	11819	US	29 MAY	03 MAY 81	
1980-043B		11820	US	29 MAY	11 SEP 80	
1980-043C		11874	US	29 MAY	27 AUG 80	
1980-045A	SOYUZ T-2	11825	USSR	05 JUN	09 JUN 80	
1980-045B		11826	USSR	05 JUN	07 JUN 80	
1980-046A	COSMOS 1185	11827	USSR	06 JUN	20 JUN 80	
1980-046B		11828	USSR	06 JUN	11 JUN 80	
1980-046C		11853	USSR	06 JUN	04 JUL 80	
1980-046D		11854	USSR	06 JUN	25 JUN 80	
1980-047A	COSMOS 1186	11829	USSR	06 JUN	01 JAN 82	
1980-047AA		12509	USSR	06 JUN	14 JUN 81	
1980-047AB		12510	USSR	06 JUN	20 JUN 81	
1980-047AC		12511	USSR	06 JUN	13 JUL 81	

INTER- NATIONAL DESIGNATION		NAME	CATALOG NUMBER	DECAYED OBJECTS		LAUNCH	DECAY	NOTES
				SOURCE				
1980-047B			11830	USSR	06 JUN	16 DEC 81		BS*
1980-047C			11831	USSR	06 JUN	17 JUN 80		
1980-047D			11912	USSR	06 JUN	24 SEP 80		
1980-047E			11913	USSR	06 JUN	14 SEP 80		
1980-047F			12407	USSR	06 JUN	03 MAY 81		
1980-047G			12408	USSR	06 JUN	03 MAY 81		
1980-047H			12412	USSR	06 JUN	01 MAY 81		
1980-047J			12413	USSR	06 JUN	03 MAY 81		
1980-047K			12414	USSR	06 JUN	03 MAY 81		
1980-047L			12415	USSR	06 JUN	03 MAY 81		
1980-047M			12416	USSR	06 JUN	03 MAY 81		
1980-047N			12422	USSR	06 JUN	03 MAY 81		
1980-047P			12453	USSR	06 JUN	28 MAY 81		
1980-047Q			12459	USSR	06 JUN	20 MAY 81		
1980-047R			12480	USSR	06 JUN	22 JUN 81		
1980-047S			12481	USSR	06 JUN	18 JUN 81		
1980-047T			12482	USSR	06 JUN	15 JUN 81		
1980-047U			12483	USSR	06 JUN	22 JUN 81		
1980-047V			12484	USSR	06 JUN	18 JUN 81		
1980-047W			12485	USSR	06 JUN	17 JUN 81		
1980-047X			12486	USSR	06 JUN	29 SEP 81		
1980-047Y			12487	USSR	06 JUN	14 JUN 81		
1980-047Z			12490	USSR	06 JUN	20 JUN 81		
1980-048A			11823	USSR	10 JUN	10 JUN 80		
1980-048B			11837	USSR	12 JUN	26 JUN 80		
1980-048C			11838	USSR	12 JUN	17 JUN 80		
1980-048D			11839	USSR	12 JUN	17 JUN 80		
1980-048E			11865	USSR	12 JUN	29 JUN 80		
1980-049B			11866	USSR	12 JUN	18 JUL 80		
1980-049C			11842	USSR	14 JUN	15 JUN 80		
1980-049D			11843	USSR	14 JUN	14 JUN 80		
1980-049E			11859	USSR	14 JUN	20 APR 82		
1980-050C			11860	USSR	14 JUN	22 MAR 82		
1980-050D			11845	USSR	14 JUN	17 JUL 80		
1980-051A			11846	USSR	18 JUN	06 JUL 80		
1980-052A			11848	USSR	18 JUN	01 MAR 92		
1980-052B			11850	US	18 JUN	06 MAR 81		
1980-053A			11851	US	18 JUN	20 JUN 80		
1980-053B			11856	USSR	21 JUN	01 APR 91		
1980-053C			11857	USSR	21 JUN	28 JUL 80		
1980-053D			11858	USSR	21 JUN	25 JUL 80		
1980-054A			11861	USSR	21 JUN	13 MAR 91		
1980-054B			11863	USSR	26 JUN	10 JUL 80		
1980-054C			11864	USSR	26 JUN	01 JUL 80		
1980-054D			11886	USSR	26 JUN	13 JUL 80		
1980-054E			11887	USSR	26 JUN	04 AUG 80		
1980-055A			11889	USSR	26 JUN	18 JUL 80		
1980-055B			11867	USSR	29 JUN	19 JUL 80		
1980-057B			11868	USSR	29 JUN	02 JUL 80		
1980-057C			11872	USSR	02 JUL	02 AUG 80		
1980-059A			11873	USSR	02 JUL	31 JUL 80		
1980-059B			11884	USSR	09 JUL	23 JUL 80		
1980-059C			11885	USSR	09 JUL	15 JUL 80		
1980-059D			11901	USSR	09 JUL	30 JUL 80		
1980-059E			11902	USSR	09 JUL	17 AUG 80		
1980-059F			11903	USSR	09 JUL	27 JUL 80		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1980-059F		11904	USSR	09 JUL	28 JUL 80	
1980-060B		11891	USSR	14 JUL	16 JUL 80	
1980-060C		11892	USSR	14 JUL	15 JUL 80	
1980-060D		11914	USSR	14 JUL	20 APR 82	
1980-060E		11923	USSR	14 JUL	02 APR 81	
1980-061A	COSMOS 1201	11894	USSR	15 JUL	28 JUL 80	
1980-061B		11895	USSR	15 JUL	18 JUL 80	
1980-061C		11910	USSR	15 JUL	31 JUL 80	
1980-061D		11911	USSR	15 JUL	02 AUG 80	
1980-062A	ROHINI 1	11899	INDIA	18 JUL	20 MAY 81	
1980-062B		11900	INDIA	23 JUL	23 JUL 81	
1980-063B		11897	USSR	18 JUL	02 AUG 80	
1980-063C		11898	USSR	18 JUL	04 AUG 80	
1980-064A		11905	USSR	23 JUL	11 OCT 80	
1980-064B	SOYUZ 37	11906	USSR	23 JUL	27 JUL 80	
1980-065A		11907	USSR	24 JUL	07 AUG 80	
1980-065B	COSMOS 1202	11908	USSR	24 JUL	29 JUL 80	
1980-065C		11920	USSR	24 JUL	23 AUG 80	
1980-065D		11921	USSR	24 JUL	10 AUG 80	
1980-065E		11922	USSR	24 JUL	11 AUG 80	
1980-066A	COSMOS 1203	11915	USSR	31 JUL	14 AUG 80	
1980-066B		11916	USSR	31 JUL	06 AUG 80	
1980-066C		11919	USSR	31 JUL	02 AUG 80	
1980-066D		11927	USSR	31 JUL	30 AUG 80	
1980-066E		11928	USSR	31 JUL	21 AUG 80	
1980-066F		11929	USSR	31 JUL	19 AUG 80	
1980-067A	COSMOS 1204	11917	USSR	31 JUL	23 FEB 81	
1980-067B		11918	USSR	31 JUL	13 FEB 81	
1980-067C		11960	USSR	31 JUL	11 OCT 80	
1980-067D		11961	USSR	31 JUL	14 OCT 80	
1980-067E		11987	USSR	31 JUL	31 OCT 80	
1980-067F		11988	USSR	31 JUL	24 OCT 80	
1980-067G		11989	USSR	31 JUL	24 OCT 80	
1980-067H		11992	USSR	31 JUL	26 OCT 80	
1980-067J		12010	USSR	31 JUL	03 NOV 80	
1980-067K		12011	USSR	31 JUL	03 NOV 80	
1980-067L		12014	USSR	31 JUL	04 NOV 80	
1980-067M		12015	USSR	31 JUL	10 NOV 80	
1980-067N		12036	USSR	31 JUL	27 NOV 80	
1980-067P		12037	USSR	31 JUL	18 NOV 80	
1980-067Q		12038	USSR	31 JUL	18 NOV 80	
1980-067R		12047	USSR	31 JUL	18 NOV 80	
1980-067S		12048	USSR	31 JUL	23 NOV 80	
1980-067T		12049	USSR	31 JUL	03 DEC 80	
1980-067U		12052	USSR	31 JUL	19 NOV 80	
1980-067V		12053	USSR	31 JUL	17 NOV 80	
1980-067W		12056	USSR	31 JUL	17 NOV 80	
1980-067X		12057	USSR	31 JUL	16 NOV 80	
1980-067Y		12074	USSR	31 JUL	23 NOV 80	
1980-067Z		12075	USSR	31 JUL	14 DEC 80	
1980-068A	COSMOS 1205	11924	USSR	12 AUG	13 DEC 80	
1980-068B		11925	USSR	12 AUG	26 AUG 80	
1980-068C		11943	USSR	12 AUG	17 AUG 80	
1980-068D		11944	USSR	12 AUG	10 SEP 80	
1980-070A	COSMOS 1207	11938	USSR	22 AUG	29 AUG 80	
1980-070B		11939	USSR	22 AUG	04 SEP 80	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1980-070C		11954	USSR	22 AUG	08 SEP 80	
1980-070D		11959	USSR	22 AUG	08 SEP 80	
1980-071A	COSMOS 1208	11945	USSR	26 AUG	24 SEP 80	
1980-071B		11946	USSR	26 AUG	30 SEP 80	
1980-072A	COSMOS 1209	11950	USSR	03 SEP	17 SEP 80	
1980-072B		11951	USSR	03 SEP	07 SEP 80	
1980-072C		11976	USSR	03 SEP	30 SEP 80	
1980-074B		11965	US	09 SEP	01 DEC 80	
1980-075A	SOYUZ 38	11977	USSR	18 SEP	26 SEP 80	
1980-075B		11978	USSR	18 SEP	21 SEP 80	
1980-075C		11979	USSR	18 SEP	21 SEP 80	
1980-076A	COSMOS 1210	11980	USSR	19 SEP	03 OCT 80	
1980-076B		11981	USSR	19 SEP	21 SEP 80	
1980-076C		11995	USSR	19 SEP	11 OCT 80	
1980-076D		11996	USSR	19 SEP	06 OCT 80	
1980-076E		11999	USSR	19 SEP	29 OCT 80	
1980-076F		12001	USSR	19 SEP	10 OCT 80	
1980-076G		12002	USSR	19 SEP	05 OCT 80	
1980-077A	COSMOS 1211	11982	USSR	23 SEP	04 OCT 80	
1980-077B		11983	USSR	23 SEP	26 SEP 80	
1980-078A	COSMOS 1212	11985	USSR	26 SEP	09 OCT 80	
1980-078B		11986	USSR	26 SEP	29 SEP 80	
1980-078C		12006	USSR	26 SEP	10 OCT 80	
1980-078D		12007	USSR	26 SEP	11 OCT 80	
1980-079A	PROGRESS 11	11993	USSR	28 SEP	11 DEC 80	
1980-079B		11994	USSR	28 SEP	30 SEP 80	
1980-080A	COSMOS 1213	11997	USSR	03 OCT	17 OCT 80	
1980-080B		11998	USSR	03 OCT	07 OCT 80	
1980-080C		12022	USSR	03 OCT	06 NOV 80	
1980-080D		12023	USSR	03 OCT	24 OCT 80	
1980-080E		12024	USSR	03 OCT	24 OCT 80	
1980-080F		12025	USSR	03 OCT	22 OCT 80	
1980-081B		12004	USSR	05 OCT	07 OCT 80	
1980-081C		12005	USSR	05 OCT	06 OCT 80	
1980-081D		12012	USSR	05 OCT	15 APR 82	
1980-081E		12013	USSR	05 OCT	14 JUN 82	
1980-082A	COSMOS 1214	12008	USSR	10 OCT	23 OCT 80	
1980-082B		12009	USSR	10 OCT	13 OCT 80	
1980-082C		12029	USSR	10 OCT	25 OCT 80	
1980-082D		12030	USSR	10 OCT	25 OCT 80	
1980-082E		12031	USSR	10 OCT	25 OCT 80	
1980-083A	COSMOS 1215	12016	USSR	14 OCT	12 MAY 83	
1980-083B		12017	USSR	14 OCT	27 AUG 82	
1980-083C		12018	USSR	14 OCT	10 JAN 81	
1980-083D		12026	USSR	14 OCT	18 NOV 80	
1980-084A	COSMOS 1216	12019	USSR	16 OCT	30 OCT 80	
1980-084B		12020	USSR	16 OCT	23 OCT 80	
1980-084C		12021	USSR	16 OCT	22 OCT 80	
1980-084D		12040	USSR	16 OCT	05 DEC 80	
1980-084E		12041	USSR	16 OCT	26 MAR 81	
1980-084F		12043	USSR	16 OCT	13 APR 81	
1980-084G		12044	USSR	16 OCT	02 MAR 81	
1980-084H		12045	USSR	16 OCT	21 NOV 80	
1980-085B		12033	USSR	24 OCT	17 NOV 80	
1980-085C		12034	USSR	24 OCT	07 NOV 80	
1980-086A	COSMOS 1218	12039	USSR	30 OCT	12 DEC 80	

DECAYED OBJECTS			LAUNCH	DECAY	NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER			
1980-086B	COSMOS 1219	12042	USSR	30 OCT	02 NOV 80
1980-088A		12050	USSR	31 OCT	13 NOV 80
1980-088B		12051	USSR	31 OCT	04 NOV 80
1980-088C		12060	USSR	31 OCT	18 NOV 80
1980-088D		12061	USSR	31 OCT	24 NOV 80
1980-088E		12062	USSR	31 OCT	26 NOV 80
1980-088F		12063	USSR	31 OCT	23 NOV 80
1980-088G		12064	USSR	31 OCT	15 NOV 80
1980-089AA		13330	USSR	04 NOV	12 AUG 83
1980-089AB		13331	USSR	04 NOV	28 APR 90
1980-089AC		13333	USSR	04 NOV	16 JAN 89
1980-089AD		13334	USSR	04 NOV	10 APR 83
1980-089AE		13335	USSR	04 NOV	01 DEC 83
1980-089AF		13336	USSR	04 NOV	15 MAR 86
1980-089AG		13337	USSR	04 NOV	30 OCT 82
1980-089AH		13338	USSR	04 NOV	10 SEP 83
1980-089AJ		13339	USSR	04 NOV	17 AUG 85
1980-089AK		13340	USSR	04 NOV	06 FEB 91
1980-089AL		13341	USSR	04 NOV	07 DEC 88
1980-089AM		13342	USSR	04 NOV	27 APR 83
1980-089AN		13343	USSR	04 NOV	05 FEB 89
1980-089AP		13344	USSR	04 NOV	29 AUG 88
1980-089AQ		13347	USSR	04 NOV	22 DEC 82
1980-089AR		13348	USSR	04 NOV	06 OCT 82
1980-089AS		13349	USSR	04 NOV	15 DEC 82
1980-089AT		13350	USSR	04 NOV	26 JUL 83
1980-089AU		13351	USSR	04 NOV	09 MAY 84
1980-089AV		13352	USSR	04 NOV	10 OCT 87
1980-089AW		13355	USSR	04 NOV	07 MAY 83
1980-089AX		13356	USSR	04 NOV	16 JUL 88
1980-089AY		13357	USSR	04 NOV	23 JAN 83
1980-089AZ		13358	USSR	04 NOV	06 JUL 89
1980-089B		12055	USSR	04 NOV	05 NOV 80
1980-089BA		13359	USSR	04 NOV	02 FEB 90
1980-089BB		13506	USSR	04 NOV	25 OCT 89
1980-089BC		13680	USSR	04 NOV	05 JUL 88
1980-089BD		13687	USSR	04 NOV	08 SEP 83
1980-089BE		13688	USSR	04 NOV	03 MAR 83
1980-089BF		14348	USSR	04 NOV	24 OCT 84
1980-089BG		14349	USSR	04 NOV	04 MAR 84
1980-089BH		14350	USSR	04 NOV	27 MAY 88
1980-089BJ		14351	USSR	04 NOV	09 NOV 85
1980-089BK		14352	USSR	04 NOV	15 APR 85
1980-089BL		14353	USSR	04 NOV	11 JUL 88
1980-089BM		14354	USSR	04 NOV	07 FEB 89
1980-089BN		14355	USSR	04 NOV	18 MAR 89
1980-089BP		14431	USSR	04 NOV	02 MAR 89
1980-089BQ		14432	USSR	04 NOV	27 JUN 84
1980-089BR		14433	USSR	04 NOV	03 JUL 89
1980-089BS		14449	USSR	04 NOV	24 APR 84
1980-089BT		14831	USSR	04 NOV	28 SEP 85
1980-089BU		14832	USSR	04 NOV	09 SEP 85
1980-089BV		14833	USSR	04 NOV	19 AUG 88
1980-089BW		15763	USSR	04 NOV	24 DEC 88
1980-089BX		17654	USSR	04 NOV	12 AUG 89
1980-089BY		17655	USSR	04 NOV	

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INTER- NATIONAL DESIGNATION		NAME	CATALOG NUMBER	DECAYED OBJECTS		LAUNCH	DECAY	NOTES
				SOURCE				
1980-104B			12122	USSR		26 DEC	28 DEC 80	
1980-104C			12123	USSR		26 DEC	27 DEC 80	
1980-104D			12137	USSR		26 DEC	20 APR 82	
1980-104F			16869	USSR		26 DEC	26 OCT 86	
1980-105A	COSMOS 1236		12121	USSR		26 DEC	21 JAN 81	
1980-105B			12124	USSR		26 DEC	30 DEC 80	
1980-105C			12125	USSR		26 DEC	08 JAN 81	
1980-105D			12126	USSR		26 DEC	13 JAN 81	
1981 LAUNCHES								
1981-001A	COSMOS 1237		12130	USSR		06 JAN	20 JAN 81	
1981-001B			12131	USSR		06 JAN	15 JAN 81	
1981-001C			12132	USSR		06 JAN	12 JAN 81	
1981-001D			12145	USSR		06 JAN	05 JUN 81	
1981-001E			12146	USSR		06 JAN	25 JAN 81	
1981-001F			12147	USSR		06 JAN	03 MAR 81	
1981-001G			12148	USSR		06 JAN	10 FEB 81	
1981-002C			12135	USSR		09 JAN	27 JAN 81	
1981-002D			12136	USSR		09 JAN	22 JAN 81	
1981-004A	COSMOS 1239		12140	USSR		16 JAN	28 JAN 81	
1981-004B			12141	USSR		16 JAN	20 JAN 81	
1981-005A	COSMOS 1240		12143	USSR		20 JAN	17 FEB 81	
1981-005B			12144	USSR		20 JAN	24 JAN 81	
1981-007A	PROGRESS 12		12152	USSR		24 JAN	20 MAR 81	
1981-007B			12153	USSR		24 JAN	27 JAN 81	
1981-007C			12157	USSR		30 JAN	14 FEB 81	
1981-009B			12158	USSR		30 JAN	09 FEB 81	
1981-010A	COSMOS 1243		12160	USSR		02 FEB	02 FEB 81	
1981-010B			12161	USSR		02 FEB	04 FEB 81	
1981-011A	INTERCOSMOS 21		12162	USSR		06 FEB	07 JUL 82	
1981-011B			12163	USSR		06 FEB	22 JUN 82	
1981-012B			12296	JAPAN		11 FEB	28 FEB 81	
1981-014A	COSMOS 1245		12299	USSR		13 FEB	27 FEB 81	
1981-014B			12300	USSR		13 FEB	21 FEB 81	
1981-014C			12312	USSR		13 FEB	01 APR 81	
1981-014D			12313	USSR		13 FEB	05 MAR 81	
1981-014E			12314	USSR		13 FEB	15 MAR 81	
1981-014F			12316	USSR		13 FEB	22 JUL 81	
1981-015A	COSMOS 1246		12301	USSR		18 FEB	13 MAR 81	
1981-015B			12302	USSR		18 FEB	21 FEB 81	
1981-016B			12304	USSR		19 FEB	13 MAR 81	
1981-016C			12305	USSR		19 FEB	25 FEB 81	
1981-016D			12306	USSR		19 FEB	13 APR 81	
1981-017A	ASTRO A		12307	USSR		21 FEB	11 JUL 91	
1981-017B			12308	JAPAN		21 FEB	26 MAY 91	
1981-017C			12310	JAPAN		21 FEB	25 NOV 81	
1981-019A			12315	US		28 FEB	20 JUN 81	
1981-020A	COSMOS 1248		12317	USSR		05 MAR	04 APR 81	
1981-020B			12318	USSR		05 MAR	08 MAR 81	
1981-021B			12550	USSR		05 MAR	22 JUN 81	
1981-021D			12552	USSR		05 MAR	19 JUL 81	
1981-023A	SOYUZ T-4		12334	USSR		12 MAR	26 MAY 81	
1981-023B			12335	USSR		12 MAR	14 MAR 81	
1981-024A	COSMOS 1258		12337	USSR		14 MAR	14 MAR 81	
1981-024B			12338	USSR		14 MAR	15 MAR 81	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
181-025B		12340	US	16 MAR	18 MAR 81	
181-026A	COSMOS 1259	12341	USSR	17 MAR	31 MAR 81	
181-026B		12342	USSR	17 MAR	25 MAR 81	
181-026C		12350	USSR	17 MAR	11 APR 81	
181-026D		12379	USSR	17 MAR	29 APR 81	
181-026E		12380	USSR	17 MAR	08 JUL 81	
181-026F		12381	USSR	17 MAR	30 AUG 81	
181-026G		12382	USSR	17 MAR	19 APR 81	
181-027C		12352	USSR	18 MAR	18 MAR 81	
181-027D		12353	USSR	18 MAR	20 MAR 81	
181-027E		12396	USSR	18 MAR	15 APR 82	
181-028A		12397	USSR	18 MAR	15 APR 82	
181-028AA	COSMOS 1260	12364	USSR	20 MAR	22 MAY 82	
181-028AB		13202	USSR	20 MAR	14 AUG 82	
181-028AC		13221	USSR	20 MAR	21 JUN 82	
181-028AD		13222	USSR	20 MAR	15 JUN 82	
181-028AE		13223	USSR	20 MAR	14 AUG 82	
181-028AF		13224	USSR	20 MAR	09 SEP 82	
181-028AG		13225	USSR	20 MAR	31 DEC 82	
181-028AH		13226	USSR	20 MAR	09 AUG 82	
181-028AJ		13227	USSR	20 MAR	05 OCT 82	
181-028AK		13228	USSR	20 MAR	02 JUN 82	
181-028AL		13229	USSR	20 MAR	04 NOV 82	
181-028AM		13230	USSR	20 MAR	16 FEB 89	
181-028AN		13231	USSR	20 MAR	17 JUN 82	
181-028AP		13232	USSR	20 MAR	19 AUG 82	
181-028AQ		13233	USSR	20 MAR	15 OCT 82	
181-028AR		13234	USSR	20 MAR	08 DEC 82	
181-028AS		13235	USSR	20 MAR	25 AUG 82	
181-028AT		13236	USSR	20 MAR	17 OCT 82	
181-028AU		13442	USSR	20 MAR	28 SEP 82	
181-028AV		13443	USSR	20 MAR	20 OCT 90	
181-028AW		13444	USSR	20 MAR	29 MAR 90	
181-028AX		13445	USSR	20 MAR	02 JAN 83	
181-028AY		13620	USSR	20 MAR	11 NOV 82	
181-028AZ		13621	USSR	20 MAR	30 JAN 89	
181-028B		12365	USSR	20 MAR	01 MAR 89	
181-028BA		13622	USSR	20 MAR	21 MAR 81	
181-028BB		13623	USSR	20 MAR	23 SEP 88	
181-028BC		13635	USSR	20 MAR	12 FEB 90	
181-028BD		13681	USSR	20 MAR	13 FEB 83	
181-028BF		13689	USSR	20 MAR	21 JAN 92	
181-028BG		13690	USSR	20 MAR	04 FEB 91	
181-028BH		13691	USSR	20 MAR	18 MAR 90	
181-028BK		13918	USSR	20 MAR	04 OCT 84	
181-028BL		13919	USSR	20 MAR	04 JUN 89	
181-028BM		13920	USSR	20 MAR	13 NOV 89	
181-028BN		13921	USSR	20 MAR	11 OCT 89	
181-028BP		13922	USSR	20 MAR	06 JAN 90	
181-028BQ		14220	USSR	20 MAR	31 DEC 90	
181-028BR		14221	USSR	20 MAR	16 OCT 89	
181-028BS		14437	USSR	20 MAR	04 FEB 91	
181-028BT		14438	USSR	20 MAR	24 JAN 89	
181-028BU		14924	USSR	20 MAR	12 OCT 88	
181-028BV		17671	USSR	20 MAR	19 SEP 86	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1981-028C		13180	USSR	20 MAR	05 SEP 82	
1981-028D		13181	USSR	20 MAR	10 SEP 82	
1981-028E		13182	USSR	20 MAR	07 DEC 89	
1981-028F		13183	USSR	20 MAR	06 AUG 91	
1981-028G		13184	USSR	20 MAR	09 AUG 83	
1981-028H		13185	USSR	20 MAR	04 NOV 82	
1981-028J		13186	USSR	20 MAR	11 JAN 83	
1981-028K		13187	USSR	20 MAR	10 OCT 83	
1981-028L		13188	USSR	20 MAR	15 JUN 82	
1981-028M		13189	USSR	20 MAR	22 OCT 88	
1981-028N		13190	USSR	20 MAR	02 NOV 82	
1981-028P		13191	USSR	20 MAR	19 SEP 83	
1981-028Q		13192	USSR	20 MAR	15 JUN 85	
1981-028R		13193	USSR	20 MAR	13 JUN 82	
1981-028S		13194	USSR	20 MAR	01 SEP 82	
1981-028T		13195	USSR	20 MAR	10 SEP 82	
1981-028U		13196	USSR	20 MAR	31 MAY 82	
1981-028V		13197	USSR	20 MAR	11 DEC 84	
1981-028W		13198	USSR	20 MAR	03 OCT 82	
1981-028X		13199	USSR	20 MAR	31 AUG 82	
1981-028Y		13200	USSR	20 MAR	16 JUN 82	
1981-028Z	SOYUZ 39	13201	USSR	20 MAR	15 JUN 82	
1981-029A		12366	USSR	20 MAR	30 MAR 81	
1981-029B		12367	USSR	22 MAR	25 MAR 81	
1981-028BJ		13781	USSR	24 MAR	04 AUG 89	
1981-030A	MOLNIYA 3-15	12368	USSR	24 MAR	19 OCT 92	
1981-030B		12369	USSR	24 MAR	13 APR 81	
1981-030C		12370	USSR	24 MAR	12 APR 81	
1981-031B		12377	USSR	31 MAR	17 APR 81	
1981-031C		12378	USSR	31 MAR	15 APR 81	
1981-032A	COSMOS 1262	12385	USSR	07 APR	21 APR 81	
1981-032B		12386	USSR	07 APR	13 APR 81	
1981-032C		12387	USSR	07 APR	20 APR 81	
1981-032D		12410	USSR	07 APR	23 APR 81	
1981-032E		12411	USSR	07 APR	28 APR 81	
1981-032F		12417	USSR	07 APR	24 APR 81	
1981-034A	STS 1	12399	US	12 APR	14 APR 81	
1981-035A	COSMOS 1264	12400	USSR	15 APR	29 APR 81	
1981-035B		12401	USSR	15 APR	23 APR 81	
1981-035C		12430	USSR	15 APR	24 OCT 81	
1981-035D		12431	USSR	15 APR	08 JUN 81	
1981-035E		12432	USSR	15 APR	04 MAY 81	
1981-035F		12433	USSR	15 APR	30 APR 81	
1981-036A	COSMOS 1265	12402	USSR	16 APR	28 APR 81	
1981-036B		12403	USSR	16 APR	19 APR 81	
1981-036C		12425	USSR	16 APR	15 MAY 81	
1981-036D		12426	USSR	16 APR	01 MAY 81	
1981-036E		12428	USSR	16 APR	19 MAR 82	
1981-037B		12429	USSR	21 APR	20 MAY 81	
1981-037C	COSMOS 1267	12434	USSR	21 APR	01 MAY 81	
1981-039A		12419	USSR	25 APR	29 JUL 82	
1981-039B		12420	USSR	25 APR	28 APR 81	
1981-039C		12421	USSR	25 APR	28 APR 81	
1981-039D		12475	USSR	28 APR	26 MAY 81	
1981-040A	COSMOS 1268	12423	USSR	28 APR	12 MAY 81	
1981-040B		12424	USSR	28 APR	06 MAY 81	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1981-040C		12448	USSR	28 APR	20 MAY 81	
1981-040D		12449	USSR	28 APR	14 MAY 81	
1981-040E		12450	USSR	28 APR	15 MAY 81	
1981-040F		12451	USSR	28 APR	15 MAY 81	
1981-040G		12452	USSR	28 APR	14 MAY 81	
1981-042A	SOYUZ 40	12454	USSR	14 MAY	22 MAY 81	
1981-042B		12455	USSR	14 MAY	16 MAY 81	
1981-044B		12460	US	15 MAY	17 APR 82	
1981-044C		12944	US	15 MAY	08 DEC 81	
1981-045A	COSMOS 1270	12461	USSR	18 MAY	17 JUN 81	
1981-045B		12462	USSR	18 MAY	21 MAY 81	
1981-045C		12463	USSR	18 MAY	19 MAY 81	
1981-047A	COSMOS 1272	12466	USSR	21 MAY	04 JUN 81	
1981-047B		12467	USSR	21 MAY	31 MAY 81	
1981-047C		12468	USSR	21 MAY	23 MAY 81	
1981-047D		12498	USSR	21 MAY	24 NOV 81	
1981-047E		12499	USSR	21 MAY	09 JUN 81	
1981-047F		12505	USSR	21 MAY	08 JUL 81	
1981-047G		12506	USSR	21 MAY	06 JUL 81	
1981-047H		12507	USSR	21 MAY	05 AUG 81	
1981-028BW		18542	USSR	22 MAY	12 DEC 88	
1981-048A	COSMOS 1273	12469	USSR	22 MAY	04 JUN 81	
1981-048B		12470	USSR	22 MAY	25 MAY 81	
1981-048C		12500	USSR	22 MAY	05 JUN 81	
1981-048D		12501	USSR	22 MAY	11 JUN 81	
1981-048E		12502	USSR	22 MAY	06 JUN 81	
1981-048F		12503	USSR	22 MAY	08 SEP 81	
1981-049B		12473	US	22 MAY	15 APR 82	
1981-049C		12494	US	22 MAY	08 JUN 81	
1981-051A	ROHINI 2	12491	INDIA	31 MAY	06 JUN 81	
1981-051B		12492	INDIA	31 MAY	03 JUL 81	
1981-052A	COSMOS 1274	12495	USSR	03 JUN	07 JUN 81	
1981-052B		12496	USSR	03 JUN	08 JUL 81	
1981-052C		12579	USSR	04 JUN	04 MAR 91	
1981-053AH		12689	USSR	04 JUN	28 NOV 89	
1981-053BN		12721	USSR	04 JUN	03 AUG 82	
1981-053BZ		12732	USSR	04 JUN	04 NOV 91	
1981-053CB		12734	USSR	04 JUN	12 SEP 89	
1981-053CF		12738	USSR	04 JUN	03 AUG 83	
1981-053CX		12754	USSR	04 JUN	16 MAR 90	
1981-053DE		12761	USSR	04 JUN	04 NOV 81	
1981-053DF		12762	USSR	04 JUN	12 APR 88	
1981-053DJ		12765	USSR	04 JUN	07 OCT 91	
1981-053DT		12774	USSR	04 JUN	29 OCT 81	
1981-053EA		12914	USSR	04 JUN	19 JUN 92	
1981-053EF		12951	USSR	04 JUN	01 FEB 91	
1981-053EL		12965	USSR	04 JUN	24 MAR 91	
1981-053EN		13015	USSR	04 JUN	21 MAR 90	
1981-053FH		13461	USSR	04 JUN	16 MAR 90	
1981-053FK		13463	USSR	04 JUN	09 NOV 91	
1981-053GS		13760	USSR	04 JUN	07 JUL 89	
1981-053HV		14359	USSR	04 JUN	13 MAR 92	
1981-053HY		14362	USSR	04 JUN	20 AUG 89	
1981-053HZ		14363	USSR	04 JUN	03 FEB 92	
1981-053JB		14399	USSR	04 JUN	14 MAR 90	
1981-053JC		14400	USSR	04 JUN		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1981-053JS		14626	USSR	04 JUN	10 MAY 85	
1981-053JU		14628	USSR	04 JUN	25 JAN 88	
1981-053JW		14630	USSR	04 JUN	06 NOV 88	
1981-053LV		18499	USSR	04 JUN	27 APR 92	
1981-053LX		18516	USSR	04 JUN	26 FEB 89	
1981-053MD		18638	USSR	04 JUN	11 SEP 89	
1981-054B		12513	USSR	09 JUN	27 JUN 81	
1981-054C		12514	USSR	09 JUN	23 JUN 81	
1981-054D		12515	USSR	09 JUN	22 JUN 81	
1981-055A	COSMOS 1276	12517	USSR	16 JUN	29 JUN 81	
1981-055B		12518	USSR	16 JUN	19 JUN 81	
1981-055C		12567	USSR	16 JUN	06 JUL 81	
1981-055D		12568	USSR	16 JUN	30 JUN 81	
1981-055E		12569	USSR	16 JUN	01 JUL 81	
1981-055F		12570	USSR	16 JUN	01 JUL 81	
1981-056A		12520	USSR	17 JUN	01 JUL 81	
1981-056B	COSMOS 1277	12521	USSR	17 JUN	28 JUN 81	
1981-056C		12522	USSR	17 JUN	28 JUN 81	
1981-056D		12523	USSR	17 JUN	28 JUN 81	
1981-056E		12524	USSR	17 JUN	29 JUN 81	
1981-056F		12525	USSR	17 JUN	22 JUN 81	
1981-056G		12526	USSR	17 JUN	23 JUN 81	
1981-056H		12573	USSR	17 JUN	31 JUL 81	
1981-056J		12574	USSR	17 JUN	12 DEC 81	
1981-056K		12575	USSR	17 JUN	28 AUG 81	
1981-057D		12562	ESA	19 JUN	23 JUN 92	
1981-057E		14125	ESA	19 JUN	17 JAN 91	
1981-058B		12548	USSR	19 JUN	28 JUL 81	
1981-058C		12549	USSR	19 JUN	29 JUL 81	
1981-060A	MOLNIYA 1-50	12556	USSR	24 JUN	14 DEC 91	
1981-060B		12557	USSR	24 JUN	05 AUG 81	
1981-060C		12558	USSR	24 JUN	22 JUL 81	
1981-061D		12563	USSR	24 JUN	27 MAR 92	
1981-061B		12565	USSR	25 JUN	26 JUN 81	
1981-061C		12566	USSR	25 JUN	28 JUN 81	
1981-061D		12603	USSR	26 JUN	15 APR 82	
1981-061E		12604	USSR	26 JUN	12 SEP 83	
1981-062A	COSMOS 1279	12571	USSR	01 JUL	15 JUL 81	
1981-062B		12572	USSR	01 JUL	14 JUL 81	
1981-062C		12576	USSR	01 JUL	02 JUL 81	
1981-062D		12590	USSR	01 JUL	20 DEC 81	
1981-062E		12591	USSR	01 JUL	07 SEP 81	
1981-062F		12592	USSR	01 JUL	16 JUL 81	
1981-062G		12593	USSR	01 JUL	22 AUG 81	
1981-063A	COSMOS 1280	12577	USSR	02 JUL	15 JUL 81	
1981-063B		12578	USSR	02 JUL	08 JUL 81	
1981-063C		12594	USSR	02 JUL	02 AUG 81	
1981-063D		12595	USSR	02 JUL	10 AUG 81	
1981-063E		12596	USSR	02 JUL	22 JUL 81	
1981-063F		12597	USSR	02 JUL	22 JUL 81	
1981-064A	COSMOS 1281	12583	USSR	07 JUL	21 JUL 81	
1981-064B		12584	USSR	07 JUL	17 JUL 81	
1981-064C		12600	USSR	07 JUL	20 AUG 81	
1981-064D		12601	USSR	07 JUL	06 SEP 81	
1981-064E		12602	USSR	07 JUL	09 DEC 81	
1981-065C	ISKRA	12587	USSR	10 JUL	07 OCT 81	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1981-065D		19236	USSR	10 JUL	16 APR 90	
1981-066A	COSMOS 1282	12588	USSR	15 JUL	14 AUG 81	
1981-066B		12589	USSR	15 JUL	19 JUL 81	
1981-067A	COSMOS 1283	12598	USSR	17 JUL	31 JUL 81	
1981-067B		12599	USSR	17 JUL	19 JUL 81	
1981-067C		12621	USSR	17 JUL	05 AUG 81	
1981-067D		12622	USSR	17 JUL	08 OCT 81	
1981-067E		12623	USSR	17 JUL	21 AUG 81	
1981-068A	COSMOS 1284	12614	USSR	29 JUL	12 AUG 81	
1981-068B		12617	USSR	29 JUL	31 JUL 81	
1981-068C		12683	USSR	29 JUL	16 OCT 81	
1981-068D		12684	USSR	29 JUL	29 AUG 81	
1981-068E		12685	USSR	29 JUL	16 AUG 81	
1981-068F		12686	USSR	29 JUL	06 SEP 81	
1981-069B		12619	USSR	30 JUL	01 AUG 81	
1981-069C		12620	USSR	30 JUL	31 JUL 81	
1981-069D		12633	USSR	30 JUL	20 APR 82	
1981-069E		12634	USSR	30 JUL	15 APR 82	
1981-070B	DE 2	12625	US	03 AUG	19 FEB 83	
1981-070C		12626	US	03 AUG	23 NOV 88	
1981-070D		12628	US	03 AUG	17 MAR 82	
1981-070F		12798	US	03 AUG	03 AUG 81	
1981-070G		12945	US	03 AUG	25 JAN 82	
1981-070H		12946	US	03 AUG	16 FEB 82	
1981-071B		12629	USSR	04 AUG	26 AUG 81	
1981-071C		12630	USSR	04 AUG	01 SEP 81	
1981-072A	COSMOS 1286	12631	USSR	04 AUG	16 OCT 82	
1981-072B		12632	USSR	04 AUG	04 AUG 81	
1981-072C		13601	USSR	04 AUG	22 OCT 82	
1981-073B		12778	US	06 AUG	16 APR 83	
1981-076B		12678	JAPAN	10 AUG	24 AUG 81	
1981-076C		12810	JAPAN	10 AUG	23 NOV 90	
1981-078A	COSMOS 1296	12687	USSR	13 AUG	13 SEP 81	
1981-078B		12688	USSR	13 AUG	17 AUG 81	
1981-079A	COSMOS 1297	12716	USSR	18 AUG	30 AUG 81	
1981-079B		12717	USSR	18 AUG	25 AUG 81	
1981-079C		12718	USSR	18 AUG	19 AUG 81	
1981-079D		12794	USSR	18 AUG	05 SEP 81	
1981-079E		12795	USSR	18 AUG	31 AUG 81	
1981-079F		12796	USSR	18 AUG	02 SEP 81	
1981-079G		12797	USSR	18 AUG	31 AUG 81	
1981-080A	COSMOS 1298	12776	USSR	21 AUG	02 OCT 81	
1981-080B		12777	USSR	21 AUG	24 AUG 81	
1981-081B		12784	USSR	21 AUG	17 NOV 81	
1981-081C		12807	USSR	24 AUG	07 SEP 81	
1981-081D		12808	USSR	24 AUG	02 FEB 89	
1981-081E		12809	USSR	24 AUG	27 SEP 81	
1981-083A	COSMOS 1301	12788	USSR	27 AUG	10 SEP 81	
1981-083B		12789	USSR	27 AUG	31 AUG 81	
1981-083C		12790	USSR	27 AUG	02 SEP 81	
1981-083D		12811	USSR	27 AUG	24 SEP 81	
1981-083E		12812	USSR	27 AUG	17 SEP 81	
1981-083F		12813	USSR	27 AUG	09 NOV 81	
1981-085A		12799	US	03 SEP	23 NOV 84	
1981-085B		12800	US	03 SEP	12 OCT 81	
1981-086A	COSMOS 1303	12801	USSR	04 SEP	18 SEP 81	

DECAYED OBJECTS

NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1981-086B		12802	USSR	04 SEP	12 SEP 81
1981-086C		12805	USSR	04 SEP	05 SEP 81
1981-086D		12806	USSR	04 SEP	05 SEP 81
1981-086E		12839	USSR	04 SEP	09 OCT 81
1981-086F		12840	USSR	04 SEP	25 OCT 81
1981-086G		12841	USSR	04 SEP	06 FEB 82
1981-088B		12819	USSR	11 SEP	05 OCT 81
1981-088C		12820	USSR	11 SEP	03 OCT 81
1981-088D		12821	USSR	11 SEP	13 JAN 82
1981-088E		12822	USSR	11 SEP	04 DEC 81
1981-089A	COSMOS 1306	12828	USSR	14 SEP	16 JUL 82
1981-089B		12829	USSR	14 SEP	15 SEP 81
1981-089C		13369	USSR	14 SEP	12 DEC 82
1981-089D		13387	USSR	14 SEP	11 OCT 82
1981-089E		13393	USSR	14 SEP	01 MAY 83
1981-089F		13404	USSR	14 SEP	07 MAR 89
1981-089G		13408	USSR	14 SEP	19 AUG 82
1981-089H		13588	USSR	14 SEP	06 DEC 82
1981-089J		14837	USSR	14 SEP	08 APR 89
1981-090A	COSMOS 1307	12830	USSR	15 SEP	28 SEP 81
1981-090B		12831	USSR	15 SEP	23 SEP 81
1981-090C		12832	USSR	15 SEP	16 SEP 81
1981-090D		12873	USSR	15 SEP	04 JAN 82
1981-090E		12875	USSR	15 SEP	04 SEP 81
1981-090F		12876	USSR	15 SEP	04 NOV 81
1981-090G		12877	USSR	15 SEP	04 FEB 82
1981-090H		12878	USSR	15 SEP	23 OCT 81
1981-092A	COSMOS 1309	12837	USSR	18 SEP	01 OCT 81
1981-092B		12838	USSR	18 SEP	21 SEP 81
1981-093A	PRC 9A	12842	PRC	19 SEP	26 SEP 81
1981-093B	PRC 9B	12843	PRC	19 SEP	06 OCT 82
1981-093C		12844	PRC	19 SEP	22 NOV 81
1981-093D	PRC 9C	12845	PRC	19 SEP	17 AUG 82
1981-093E		12846	PRC	19 SEP	10 APR 83
1981-093F		12847	PRC	19 SEP	25 NOV 81
1981-093G		12847	PRC	19 SEP	22 MAY 82
1981-093H		12884	PRC	19 SEP	20 MAY 82
1981-093I		12885	PRC	19 SEP	20 OCT 81
1981-093J		12890	PRC	19 SEP	16 NOV 81
1981-093K		12958	PRC	19 SEP	03 APR 89
1981-095A	COSMOS 1310	12852	USSR	23 SEP	17 SEP 83
1981-095B		12853	USSR	23 SEP	17 SEP 83
1981-096B		12874	US	24 SEP	15 APR 82
1981-097A	COSMOS 1311	12871	USSR	28 SEP	28 AUG 83
1981-097AA		13831	USSR	28 SEP	28 FEB 83
1981-097AB		13832	USSR	28 SEP	28 FEB 83
1981-097B		12872	USSR	28 SEP	27 FEB 83
1981-097C		13054	USSR	28 SEP	26 FEB 82
1981-097D		13055	USSR	28 SEP	05 DEC 82
1981-097E		13667	USSR	28 SEP	05 DEC 82
1981-097F		13668	USSR	28 SEP	17 DEC 82
1981-097G		13694	USSR	28 SEP	16 DEC 82
1981-097H		13695	USSR	28 SEP	22 DEC 82
1981-097I		13723	USSR	28 SEP	23 DEC 82
1981-097J		13724	USSR	28 SEP	24 DEC 82
1981-097K		13729	USSR	28 SEP	18 DEC 82
1981-097L		13731	USSR	28 SEP	
1981-097M					

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1981-097N		13732	USSR	28 SEP	17 DEC 82	
1981-097P		13733	USSR	28 SEP	17 DEC 82	
1981-097Q		13734	USSR	28 SEP	16 DEC 82	
1981-097R		13735	USSR	28 SEP	31 DEC 82	
1981-097S		13743	USSR	28 SEP	31 DEC 82	
1981-097T		13744	USSR	28 SEP	31 DEC 82	
1981-097U		13820	USSR	28 SEP	28 FEB 83	
1981-097V		13821	USSR	28 SEP	28 FEB 83	
1981-097W		13822	USSR	28 SEP	28 FEB 83	
1981-097X		13823	USSR	28 SEP	28 FEB 83	
1981-097Y		13824	USSR	28 SEP	28 FEB 83	
1981-097Z		13828	USSR	28 SEP	28 FEB 83	
1981-099A	COSMOS 1313	12881	USSR	01 OCT	15 OCT 81	
1981-099B		12882	USSR	01 OCT	05 OCT 81	
1981-099C		12883	USSR	01 OCT	02 OCT 81	
1981-099D		12910	USSR	01 OCT	16 OCT 81	
1981-099E		12911	USSR	01 OCT	16 OCT 81	
1981-099F		12912	USSR	01 OCT	26 OCT 81	
1981-100A	SME	12887	US	06 OCT	05 MAR 91	
1981-100B	UOSAT	12888	UK	06 OCT	13 OCT 89	
1981-100D		12891	US	06 OCT	14 NOV 81	
1981-100E		13405	US	06 OCT	19 OCT 82	
1981-101A		12895	USSR	09 OCT	22 OCT 81	
1981-101B	COSMOS 1314	12896	USSR	09 OCT	11 OCT 81	
1981-101C		12900	USSR	09 OCT	09 NOV 81	
1981-101D		12921	USSR	09 OCT	25 OCT 81	
1981-101E		12922	USSR	09 OCT	25 OCT 81	
1981-101F		12923	USSR	09 OCT	25 OCT 81	
1981-102B		12898	USSR	09 OCT	11 OCT 81	
1981-102C		12899	USSR	09 OCT	10 OCT 81	
1981-102D		12901	USSR	09 OCT	01 JUL 82	
1981-102E		12902	USSR	09 OCT	13 MAY 82	
1981-104A	COSMOS 1316	12905	USSR	15 OCT	29 OCT 81	
1981-104B		12913	USSR	15 OCT	23 OCT 81	
1981-104C		12924	USSR	15 OCT	08 NOV 81	
1981-104D		12925	USSR	15 OCT	31 OCT 81	
1981-104E		12926	USSR	15 OCT	31 OCT 81	
1981-105B		12916	USSR	17 OCT	04 NOV 81	
1981-105C		12917	USSR	17 OCT	06 NOV 81	
1981-105D		12918	USSR	17 OCT	08 NOV 81	
1981-106B		12928	USSR	30 OCT	31 OCT 81	
1981-106C		12929	USSR	30 OCT	31 OCT 81	
1981-106D		15599	USSR	30 OCT	28 FEB 82	
1981-107B		12931	US	31 OCT	02 NOV 81	
1981-108B		12934	USSR	31 OCT	23 NOV 81	
1981-108C		12935	USSR	31 OCT	14 NOV 81	
1981-109A	COSMOS 1318	12936	USSR	03 NOV	04 DEC 81	
1981-109B		12937	USSR	03 NOV	06 NOV 81	
1981-110B		12939	USSR	04 NOV	05 NOV 81	
1981-110C		12941	USSR	04 NOV	05 NOV 81	
1981-110D		15600	USSR	04 NOV	05 MAR 82	
1981-111A	STS 2	12953	US	12 NOV	14 NOV 81	
1981-112A	COSMOS 1319	12954	USSR	13 NOV	27 NOV 81	
1981-112B		12955	USSR	13 NOV	22 NOV 81	
1981-112C		12956	USSR	13 NOV	16 NOV 81	
1981-112D		12957	USSR	13 NOV	13 NOV 81	

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DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY				
1981-112E		12970	USSR	13 NOV	13 DEC 81				
1981-112F		12971	USSR	13 NOV	15 APR 82				
1981-112G		12972	USSR	13 NOV	02 JAN 82				
1981-112H		12973	USSR	13 NOV	27 DEC 81				
1981-112J		12974	USSR	13 NOV	08 DEC 81				
1981-113B		12960	USSR	17 NOV	27 NOV 81				
1981-113C		12961	USSR	17 NOV	29 NOV 81				
1981-114B		13098	US	20 NOV	26 FEB 89				
1981-115A	BHASKARA 2	12968	INDIA	20 NOV	30 NOV 91				
1981-115B		12969	USSR	20 NOV	08 OCT 89				
1981-118A	COSMOS 1329	12989	USSR	04 DEC	18 DEC 81				
1981-118B		12990	USSR	04 DEC	08 DEC 81				
1981-118C		12991	USSR	04 DEC	10 DEC 81				
1981-118D		13004	USSR	04 DEC	05 JAN 82				
1981-118E		13005	USSR	04 DEC	20 DEC 81				
1981-118F		13006	USSR	04 DEC	22 DEC 81				
1981-121A	COSMOS 1330	13008	USSR	19 DEC	19 JAN 82				
1981-121B		13009	USSR	20 DEC	23 DEC 81				
1981-122C		13025	ESA	20 DEC	21 NOV 88				
1981-123B		13013	USSR	23 DEC	16 JAN 82				
1981-123C		13014	USSR	23 DEC	10 JAN 82				
1982 LAUNCHES									
1982-002A	COSMOS 1332	13031	USSR	12 JAN	25 JAN 82				
1982-002B		13032	USSR	12 JAN	16 JAN 82				
1982-004B		13088	US	16 JAN	02 NOV 88				
1982-005A	COSMOS 1334	13036	USSR	20 JAN	03 FEB 82				
1982-005B		13037	USSR	20 JAN	24 JAN 82				
1982-005C		13038	USSR	20 JAN	22 JAN 82				
1982-005D		13039	USSR	20 JAN	20 JAN 82				
1982-005E		13048	USSR	20 JAN	04 FEB 82				
1982-005F		13049	USSR	20 JAN	06 FEB 82				
1982-005G		13050	USSR	20 JAN	17 FEB 82				
1982-005H		13051	USSR	20 JAN	06 FEB 82				
1982-005J		13052	USSR	20 JAN	05 FEB 82				
1982-006A		13040	US	21 JAN	23 MAY 82				
1982-006B		13041	US	21 JAN	22 JAN 82				
1982-007A	COSMOS 1335	13042	USSR	29 JAN	05 APR 87				
1982-007AA		14068	USSR	29 JAN	09 JUN 83				
1982-007B		13043	USSR	29 JAN	24 NOV 85				
1982-007C		13044	USSR	29 JAN	30 JAN 82				
1982-007D		13140	USSR	29 JAN	15 JUN 82				
1982-007E		13141	USSR	29 JAN	11 JUN 82				
1982-007F		13246	USSR	29 JAN	17 AUG 82				
1982-007G		13247	USSR	29 JAN	14 AUG 82				
1982-007H		13248	USSR	29 JAN	11 AUG 82				
1982-007J		13249	USSR	29 JAN	01 AUG 82				
1982-007K		13250	USSR	29 JAN	29 JUL 82				
1982-007L		13251	USSR	29 JAN	26 JUL 82				
1982-007M		13252	USSR	29 JAN	24 JUL 82				
1982-007N		13273	USSR	29 JAN	07 JUL 82				
1982-007P		13419	USSR	29 JAN	05 OCT 82				
1982-007Q		13420	USSR	29 JAN	05 OCT 82				
1982-007R		13421	USSR	29 JAN	29 SEP 82				
1982-007S		13422	USSR	29 JAN	28 SEP 82				

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1982-007T		13429	USSR	29 JAN	04 OCT 82	
1982-007U		13430	USSR	29 JAN	04 OCT 82	
1982-007V		14052	USSR	29 JAN	11 JUN 83	
1982-007W		14053	USSR	29 JAN	10 JUN 83	
1982-007X		14054	USSR	29 JAN	11 JUN 83	
1982-007Y		14055	USSR	29 JAN	09 JUN 83	
1982-007Z		14056	USSR	29 JAN	09 JUN 83	
1982-008A		13046	USSR	29 JAN	02 FEB 82	
1982-008C		13047	USSR	29 JAN	31 JAN 82	
1982-008A	COSMOS 1336	13045	USSR	30 JAN	26 FEB 82	
1982-009B		13057	USSR	05 FEB	07 FEB 82	
1982-009C		13058	USSR	05 FEB	06 FEB 82	
1982-009D		13059	USSR	05 FEB	07 SEP 91	
1982-009E		13060	USSR	05 FEB	26 NOV 84	
1982-010A		13061	USSR	11 FEB	25 JUL 82	
1982-010B	COSMOS 1337	13062	USSR	11 FEB	11 FEB 82	
1982-011A		13063	USSR	16 FEB	02 MAR 82	
1982-011B	COSMOS 1338	13064	USSR	16 FEB	24 FEB 82	
1982-011C		13076	USSR	16 FEB	21 MAR 82	
1982-011D		13077	USSR	16 FEB	27 SEP 82	
1982-011E		13078	USSR	16 FEB	06 APR 82	
1982-011F		13079	USSR	16 FEB	19 MAR 82	
1982-014B		13136	US	26 FEB	31 AUG 89	
1982-015B		13071	USSR	26 FEB	08 MAR 82	
1982-015C		13072	USSR	26 FEB	13 MAR 82	
1982-016B		13081	USSR	03 MAR	27 MAR 82	
1982-016C		13082	USSR	03 MAR	16 MAR 82	
1982-017B		13087	US	05 MAR	06 MAY 83	
1982-018A	COSMOS 1342	13084	USSR	05 MAR	19 MAR 82	
1982-018B		13085	USSR	05 MAR	09 MAR 82	
1982-018C		13100	USSR	05 MAR	21 MAR 82	
1982-018D		13101	USSR	05 MAR	22 MAR 82	
1982-018E		13102	USSR	05 MAR	01 APR 82	
1982-020B		13093	USSR	15 MAR	16 MAR 82	
1982-020C		13094	USSR	15 MAR	16 MAR 82	
1982-020D		13095	USSR	15 MAR	16 MAR 82	
1982-020E		13099	USSR	15 MAR	14 SEP 83	
1982-021A		13096	USSR	17 MAR	31 MAR 82	
1982-021B		13097	USSR	17 MAR	21 MAR 82	
1982-021C		13115	USSR	17 MAR	05 APR 82	
1982-021D		13116	USSR	17 MAR	01 APR 82	
1982-021E		13117	USSR	17 MAR	01 APR 82	
1982-022A		13106	US	22 MAR	30 MAR 82	
1982-023A	STS 3	13107	USSR	24 MAR	23 JUN 92	
1982-023B	MOLNIYA 3-18	13108	USSR	24 MAR	12 APR 82	
1982-023C		13109	USSR	24 MAR	19 APR 82	
1982-023D		13112	USSR	24 MAR	17 SEP 92	
1982-026A		13118	USSR	31 MAR	27 SEP 89	
1982-026B	COSMOS 1345	13119	USSR	31 MAR	10 AUG 89	
1982-028A	COSMOS 1347	13122	USSR	02 APR	21 MAY 82	
1982-028B		13123	USSR	02 APR	05 APR 82	
1982-029B		13125	USSR	07 APR	05 MAY 82	
1982-029C		13126	USSR	07 APR	27 APR 82	
1982-031B		13137	US	10 APR	18 APR 84	
1982-032A	COSMOS 1350	13134	USSR	15 APR	16 MAY 82	
1982-032B		13135	USSR	15 APR	18 APR 82	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1982-033A	SALYUT 7	13138	USSR	19 APR	07 FEB 91	BX*
1982-033AA		13541	USSR	19 APR	01 OCT 82	
1982-033AB		13560	USSR	19 APR	04 OCT 82	
1982-033AC		13596	USSR	19 APR	28 OCT 82	
1982-033AE		13664	USSR	19 APR	28 DEC 82	
1982-033AF		13700	USSR	19 APR	26 MAR 83	
1982-033AG		14386	USSR	19 APR	16 NOV 83	
1982-033AH		14387	USSR	19 APR	19 FEB 84	
1982-033AJ		14388	USSR	19 APR	01 NOV 83	
1982-033AK		14392	USSR	19 APR	15 MAR 84	
1982-033AL		14393	USSR	19 APR	29 OCT 83	
1982-033AM		14485	USSR	19 APR	17 NOV 83	
1982-033AN		14486	USSR	19 APR	18 NOV 83	
1982-033AP		14487	USSR	19 APR	17 NOV 83	
1982-033AQ		14507	USSR	19 APR	24 DEC 83	
1982-033AR		14508	USSR	19 APR	04 DEC 83	
1982-033AS		14857	USSR	19 APR	29 MAR 84	
1982-033AT		14858	USSR	19 APR	27 MAR 84	
1982-033AU		14859	USSR	19 APR	04 APR 84	
1982-033AV		14860	USSR	19 APR	03 APR 84	
1982-033AW		14861	USSR	19 APR	11 APR 84	
1982-033AX		14862	USSR	19 APR	13 APR 84	
1982-033AY		14863	USSR	19 APR	03 APR 84	
1982-033AZ		14864	USSR	19 APR	14 APR 84	
1982-033B		13139	USSR	19 APR	24 APR 82	
1982-033BA		14870	USSR	19 APR	27 APR 84	
1982-033BB		14871	USSR	19 APR	15 APR 84	
1982-033BC		14946	USSR	19 APR	17 MAY 84	
1982-033BD		14949	USSR	19 APR	16 JUN 84	
1982-033BE		14957	USSR	19 APR	13 MAY 84	
1982-033BF		14958	USSR	19 APR	14 MAY 84	
1982-033BG		14960	USSR	19 APR	21 JUN 84	
1982-033BH		14975	USSR	19 APR	24 MAY 84	
1982-033BJ		14976	USSR	19 APR	26 MAY 84	
1982-033BK		14995	USSR	19 APR	01 JUN 84	
1982-033BL		15105	USSR	19 APR	07 AUG 84	
1982-033BM		15106	USSR	19 APR	18 AUG 84	
1982-033BN		15107	USSR	19 APR	14 AUG 84	
1982-033BP		15109	USSR	19 APR	27 JUL 84	
1982-033BQ		15111	USSR	19 APR	30 JUL 84	
1982-033BR		15112	USSR	19 APR	31 AUG 84	
1982-033BS		15113	USSR	19 APR	26 AUG 84	
1982-033BT		15114	USSR	19 APR	13 OCT 84	
1982-033BU		15127	USSR	19 APR	09 OCT 84	
1982-033BV		15128	USSR	19 APR	22 SEP 84	
1982-033BW		15129	USSR	19 APR	18 AUG 84	
1982-033BX		15130	USSR	19 APR	04 AUG 84	
1982-033BY		15133	USSR	19 APR	27 SEP 84	
1982-033BZ		15134	USSR	19 APR	08 OCT 84	
1982-033CA		15135	USSR	19 APR	14 SEP 84	
1982-033CB		15137	USSR	19 APR	31 AUG 84	
1982-033CC		15138	USSR	19 APR	06 DEC 84	
1982-033CD		15174	USSR	19 APR	22 SEP 84	
1982-033CE		15175	USSR	19 APR		
1982-033CF		15176	USSR	19 APR		
1982-033CG		15177	USSR	19 APR		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1982-033CH		15189	USSR	19 APR	13 OCT 84		
1982-033CJ		15190	USSR	19 APR	18 OCT 84		
1982-033CK		15192	USSR	19 APR	21 MAY 86		
1982-033CL		15195	USSR	19 APR	12 NOV 84		
1982-033CM		15196	USSR	19 APR	04 OCT 84		
1982-033CN		15207	USSR	19 APR	03 OCT 84		
1982-033CP		15208	USSR	19 APR	05 DEC 84		
1982-033CQ		15209	USSR	19 APR	25 OCT 84		
1982-033CR		15210	USSR	19 APR	15 SEP 84		
1982-033CS		15211	USSR	19 APR	06 OCT 84		
1982-033CT		15212	USSR	19 APR	21 SEP 84		
1982-033CU		15213	USSR	19 APR	08 OCT 84		
1982-033CV		15217	USSR	19 APR	08 SEP 84		
1982-033CW		15218	USSR	19 APR	19 SEP 84		
1982-033CX		15247	USSR	19 APR	13 MAY 86		
1982-033CY		15248	USSR	19 APR	12 DEC 84		
1982-033CZ		15249	USSR	19 APR	26 DEC 84		
1982-033D		13204	USSR	19 APR	20 JUN 82		
1982-033DA		15250	USSR	19 APR	12 DEC 84		
1982-033DB		15251	USSR	19 APR	16 OCT 84		
1982-033DC		15252	USSR	19 APR	08 DEC 84		
1982-033DD		15253	USSR	19 APR	25 SEP 84		
1982-033DE		15254	USSR	19 APR	10 NOV 84		
1982-033DF		15255	USSR	19 APR	01 NOV 84		
1982-033DG		15256	USSR	19 APR	08 DEC 84		
1982-033DH		15273	USSR	19 APR	03 OCT 84		
1982-033DJ		15274	USSR	19 APR	24 DEC 84		
1982-033DK		15275	USSR	19 APR	11 DEC 84		
1982-033DL		15276	USSR	19 APR	29 NOV 84		
1982-033DM		15281	USSR	19 APR	11 JAN 85		
1982-033DN		15282	USSR	19 APR	03 JAN 85		
1982-033DP		15283	USSR	19 APR	14 FEB 85		
1982-033DQ		15284	USSR	19 APR	04 DEC 84		
1982-033DR		15297	USSR	19 APR	04 OCT 84		
1982-033DS		15303	USSR	19 APR	20 OCT 84		
1982-033DT		15304	USSR	19 APR	26 SEP 84		
1982-033DU		15305	USSR	19 APR	09 DEC 85		
1982-033DV		15306	USSR	19 APR	20 DEC 84		
1982-033DW		15307	USSR	19 APR	11 JAN 85		
1982-033DX		15311	USSR	19 APR	13 OCT 84		
1982-033DY		15312	USSR	19 APR	11 JAN 85		
1982-033DZ		15313	USSR	19 APR	11 JAN 86		
1982-033E		13270	USSR	19 APR	24 JUN 82		
1982-033EA		15314	USSR	19 APR	10 JAN 85		
1982-033EB		15315	USSR	19 APR	25 NOV 84		
1982-033EC		15316	USSR	19 APR	11 FEB 85		
1982-033ED		15317	USSR	19 APR	08 DEC 84		
1982-033EE		15365	USSR	19 APR	05 DEC 84		
1982-033EF		15366	USSR	19 APR	12 JAN 85		
1982-033EG		15367	USSR	19 APR	03 MAR 85		
1982-033EH		15368	USSR	19 APR	11 FEB 85		
1982-033EJ		15401	USSR	19 APR	04 JAN 85		
1982-033EK		15420	USSR	19 APR	24 JAN 85		
1982-033EL		15524	USSR	19 APR	17 MAR 85		
1982-033EM		15525	USSR	19 APR	10 APR 85		
1982-033EN		15526	USSR	19 APR	08 DEC 85		

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1982-033EP		15527	USSR	19 APR	28 MAR 85	
1982-033EQ		15532	USSR	19 APR	15 FEB 85	
1982-033ER		15533	USSR	19 APR	01 MAR 85	
1982-033ES		15933	USSR	19 APR	19 SEP 85	
1982-033ET		15934	USSR	19 APR	24 AUG 85	
1982-033EU		15937	USSR	19 APR	12 AUG 85	
1982-033EV		15939	USSR	19 APR	25 SEP 85	
1982-033EW		15970	USSR	19 APR	15 JAN 86	
1982-033EX		16046	USSR	19 APR	24 NOV 85	
1982-033EY		16047	USSR	19 APR	02 FEB 86	
1982-033EZ		16048	USSR	19 APR	01 JAN 86	
1982-033F		13274	USSR	19 APR	27 JUN 82	
1982-033FA		16049	USSR	19 APR	24 DEC 85	
1982-033FB		16050	USSR	19 APR	25 OCT 85	
1982-033FC		16053	USSR	19 APR	31 MAY 86	
1982-033FD		16062	USSR	19 APR	03 JAN 86	
1982-033FE		16063	USSR	19 APR	30 SEP 85	
1982-033FF		16091	USSR	19 APR	20 JAN 86	
1982-033FG		16092	USSR	19 APR	22 DEC 85	
1982-033FH		16093	USSR	19 APR	26 FEB 86	
1982-033FJ		16094	USSR	19 APR	11 FEB 86	
1982-033FK		16098	USSR	19 APR	03 OCT 85	
1982-033FL		16099	USSR	19 APR	30 SEP 85	
1982-033FM		16100	USSR	19 APR	18 DEC 85	
1982-033FN		16122	USSR	19 APR	03 OCT 86	
1982-033FP		16163	USSR	19 APR	09 FEB 86	
1982-033FQ		16164	USSR	19 APR	17 FEB 86	
1982-033FR		16165	USSR	19 APR	08 JAN 86	
1982-033FS		16166	USSR	19 APR	15 JAN 87	
1982-033FT		16167	USSR	19 APR	19 FEB 86	
1982-033FU		16168	USSR	19 APR	24 JAN 86	
1982-033FV		16171	USSR	19 APR	19 JAN 86	
1982-033FW		16172	USSR	19 APR	27 FEB 86	
1982-033FX		16173	USSR	19 APR	27 FEB 86	
1982-033FY		16174	USSR	19 APR	05 FEB 86	
1982-033FZ		16175	USSR	19 APR	16 FEB 86	
1982-033G		13275	USSR	19 APR	07 FEB 86	
1982-033GA		16176	USSR	19 APR	27 JUN 82	
1982-033GB		16217	USSR	19 APR	31 DEC 85	
1982-033GC		16218	USSR	19 APR	08 AUG 86	
1982-033GD		16238	USSR	19 APR	15 APR 86	
1982-033GE		16239	USSR	19 APR	27 MAY 86	
1982-033GF		16240	USSR	19 APR	03 DEC 85	
1982-033GG		16241	USSR	19 APR	16 NOV 86	
1982-033GH		16242	USSR	19 APR	22 FEB 86	
1982-033GJ		16244	USSR	19 APR	09 APR 86	
1982-033GK		16245	USSR	19 APR	09 MAR 86	
1982-033GL		16246	USSR	19 APR	05 DEC 85	
1982-033GM		16249	USSR	19 APR	15 MAR 86	
1982-033GN		16253	USSR	19 APR	09 FEB 86	
1982-033GP		16258	USSR	19 APR	03 DEC 86	
1982-033GQ		16259	USSR	19 APR	18 JAN 86	
1982-033GR		16260	USSR	19 APR	17 FEB 86	
1982-033GS		16441	USSR	19 APR	07 JUN 86	
1982-033GT		16721	USSR	19 APR	10 MAR 86	
1982-033GU		16749	USSR	19 APR	06 AUG 86	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1982-033GV		16750	USSR	19 APR	19 JUN 86	
1982-033GW		16751	USSR	19 APR	22 OCT 86	
1982-033GX		16752	USSR	19 APR	21 JUL 86	
1982-033GY		16810	USSR	19 APR	05 SEP 86	
1982-033GZ		16811	USSR	19 APR	31 AUG 86	
1982-033H		13287	USSR	19 APR	02 JUL 82	
1982-033HA		16812	USSR	19 APR	09 SEP 86	
1982-033HB		16813	USSR	19 APR	27 JAN 87	
1982-033HC		16814	USSR	19 APR	20 FEB 87	
1982-033HD		16815	USSR	19 APR	10 OCT 86	
1982-033HE		16821	USSR	19 APR	27 AUG 86	
1982-033HF		16822	USSR	19 APR	08 OCT 86	
1982-033HG		16852	USSR	19 APR	21 NOV 86	
1982-033HH		16853	USSR	19 APR	06 SEP 86	
1982-033HJ		17109	USSR	19 APR	29 MAR 87	
1982-033J		13291	USSR	19 APR	09 JUL 82	
1982-033K		13299	USSR	19 APR	12 JUL 82	
1982-033L		13332	USSR	19 APR	11 AUG 82	
1982-033M		13398	USSR	19 APR	21 AUG 82	
1982-033N		13409	USSR	19 APR	25 AUG 82	
1982-033P		13410	USSR	19 APR	13 AUG 82	
1982-033Q		13417	USSR	19 APR	01 SEP 82	
1982-033R		13418	USSR	19 APR	24 AUG 82	
1982-033S		13423	USSR	19 APR	31 AUG 82	
1982-033T		13424	USSR	19 APR	02 SEP 82	
1982-033U		13435	USSR	19 APR	29 AUG 82	
1982-033V		13436	USSR	19 APR	07 OCT 82	
1982-033W		13439	USSR	19 APR	06 SEP 82	
1982-033X		13440	USSR	19 APR	27 SEP 82	
1982-033Y		13522	USSR	19 APR	03 OCT 82	
1982-033Z		13523	USSR	19 APR	02 OCT 82	
1982-034A		13142	USSR	21 APR	14 MAR 83	
1982-034AA		13866	USSR	21 APR	26 FEB 83	
1982-034AB		13867	USSR	21 APR	25 FEB 83	
1982-034B		13143	USSR	21 APR	22 FEB 83	
1982-034C		13833	USSR	21 APR	27 FEB 83	
1982-034D		13836	USSR	21 APR	25 FEB 83	
1982-034E		13837	USSR	21 APR	26 FEB 83	
1982-034F		13838	USSR	21 APR	25 FEB 83	
1982-034G		13839	USSR	21 APR	25 FEB 83	
1982-034H		13840	USSR	21 APR	03 MAR 83	
1982-034J		13841	USSR	21 APR	27 FEB 83	
1982-034K		13842	USSR	21 APR	02 MAR 83	
1982-034L		13852	USSR	21 APR	26 FEB 83	
1982-034M		13853	USSR	21 APR	26 FEB 83	
1982-034N		13854	USSR	21 APR	26 FEB 83	
1982-034P		13855	USSR	21 APR	26 FEB 83	
1982-034Q		13856	USSR	21 APR	26 FEB 83	
1982-034R		13857	USSR	21 APR	05 MAR 83	
1982-034S		13858	USSR	21 APR	27 FEB 83	
1982-034T		13859	USSR	21 APR	26 FEB 83	
1982-034U		13860	USSR	21 APR	26 FEB 83	
1982-034V		13861	USSR	21 APR	26 FEB 83	
1982-034W		13862	USSR	21 APR	26 FEB 83	
1982-034X		13863	USSR	21 APR	26 FEB 83	
1982-034Y		13864	USSR	21 APR	26 FEB 83	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1982-034Z		13865	USSR	21 APR	03 MAR 83	
1982-035A	COSMOS 1352	13144	USSR	21 APR	05 MAY 82	
1982-035B		13145	USSR	21 APR	29 APR 82	
1982-035C		13155	USSR	21 APR	14 JUN 82	
1982-035D		13156	USSR	21 APR	30 NOV 82	
1982-035E		13157	USSR	21 APR	30 MAY 82	
1982-035F		13158	USSR	21 APR	02 JUL 82	
1982-036A	COSMOS 1353	13146	USSR	23 APR	06 MAY 82	
1982-036B		13147	USSR	23 APR	26 APR 82	
1982-036C		13159	USSR	23 APR	10 MAY 82	
1982-038A	COSMOS 1355	13150	USSR	29 APR	07 MAR 84	
1982-038AA		14683	USSR	29 APR	14 FEB 84	
1982-038AB		14684	USSR	29 APR	11 FEB 84	
1982-038AC		14685	USSR	29 APR	05 FEB 84	
1982-038AD		14686	USSR	29 APR	14 FEB 84	
1982-038AE		14687	USSR	29 APR	05 FEB 84	
1982-038AF		14697	USSR	29 APR	03 FEB 84	
1982-038B		13151	USSR	29 APR	29 APR 82	
1982-038C		14265	USSR	29 APR	13 SEP 83	
1982-038D		14266	USSR	29 APR	20 AUG 83	
1982-038E		14267	USSR	29 APR	20 AUG 83	
1982-038F		14268	USSR	29 APR	20 SEP 83	
1982-038G		14269	USSR	29 APR	31 AUG 83	
1982-038H		14270	USSR	29 APR	25 AUG 83	
1982-038J		14271	USSR	29 APR	12 SEP 83	
1982-038K		14272	USSR	29 APR	14 AUG 82	
1982-038L		14273	USSR	29 APR	12 SEP 83	
1982-038M		14274	USSR	29 APR	20 AUG 83	
1982-038N		14275	USSR	29 APR	26 SEP 83	
1982-038P		14276	USSR	29 APR	27 AUG 83	
1982-038Q		14279	USSR	29 APR	22 AUG 83	
1982-038R		14280	USSR	29 APR	29 AUG 83	
1982-038S		14281	USSR	29 APR	26 NOV 83	
1982-038T		14282	USSR	29 APR	24 AUG 83	
1982-038U		14285	USSR	29 APR	20 AUG 83	
1982-038V		14286	USSR	29 APR	23 AUG 83	
1982-038W		14342	USSR	29 APR	23 AUG 83	
1982-038X		14435	USSR	29 APR	20 NOV 83	
1982-038Y		14436	USSR	29 APR	12 NOV 83	
1982-038Z		14682	USSR	29 APR	23 DEC 83	
1982-041A		13170	US	11 MAY	05 DEC 82	
1982-041B		13171	US	11 MAY	13 MAY 82	
1982-042A	SOYUZ T-5	13173	USSR	13 MAY	27 AUG 82	
1982-042B		13174	USSR	13 MAY	15 MAY 82	
1982-043B		13592	USSR	14 MAY	29 SEP 82	
1982-043C		13593	USSR	14 MAY	19 OCT 82	
1982-043E		13602	USSR	14 MAY	16 OCT 82	
1982-043F		13615	USSR	14 MAY	08 OCT 82	
1982-033C		13176	USSR	17 MAY	09 JUL 82	
1982-044B	ISKRA 2	13178	USSR	17 MAY	18 MAY 82	
1982-044C		13179	USSR	17 MAY	19 MAY 82	
1982-044D		13217	USSR	17 MAY	14 SEP 83	
1982-044E		13218	USSR	17 MAY	14 SEP 83	
1982-045B		13206	USSR	20 MAY	17 JUN 82	
1982-045C		13207	USSR	20 MAY	04 JUN 82	
1982-046A	COSMOS 1368	13208	USSR	21 MAY	03 JUN 82	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1982-046B		13209	USSR	21 MAY	29 MAY 82	
1982-046C		13254	USSR	21 MAY	06 JUN 82	
1982-046D		13255	USSR	21 MAY	06 JUN 82	
1982-046E		13256	USSR	21 MAY	09 JUN 82	
1982-047A	PROGRESS 13	13210	USSR	23 MAY	06 JUN 82	
1982-047B		13211	USSR	23 MAY	25 MAY 82	
1982-047C		13212	USSR	23 MAY	25 MAY 82	
1982-048A	COSMOS 1369	13213	USSR	25 MAY	08 JUN 82	
1982-048B		13214	USSR	25 MAY	30 MAY 82	
1982-048C		13216	USSR	25 MAY	26 MAY 82	
1982-048D		13267	USSR	25 MAY	27 JUN 82	
1982-048E		13268	USSR	25 MAY	15 JUN 82	
1982-049A	COSMOS 1370	13219	USSR	28 MAY	11 JUL 82	
1982-049B		13220	USSR	28 MAY	31 MAY 82	
1982-050A	MOLNIYA 1-54	13237	USSR	28 MAY	19 NOV 92	
1982-050B		13238	USSR	28 MAY	12 JUL 82	
1982-050C		13239	USSR	28 MAY	28 JUN 82	
1982-050D		13240	USSR	28 MAY	01 JUN 82	
1982-052B		13411	USSR	01 JUN	09 SEP 82	
1982-052C		13412	USSR	01 JUN	13 AUG 82	
1982-053A	COSMOS 1373	13244	USSR	02 JUN	16 JUN 82	
1982-053B		13245	USSR	02 JUN	11 JUN 82	
1982-053C		13276	USSR	02 JUN	18 JUL 82	
1982-053D		13277	USSR	02 JUN	10 AUG 82	
1982-053E		13278	USSR	02 JUN	04 NOV 82	
1982-053F		13279	USSR	02 JUN	05 AUG 82	
1982-054A	COSMOS 1374	13257	USSR	03 JUN	03 JUN 82	
1982-054B		13258	USSR	03 JUN	05 JUN 82	
1982-054C		13280	USSR	03 JUN	03 JUN 82	
1982-055BJ	COSMOS 1376	19243	USSR	06 JUN	31 DEC 89	
1982-056A		13263	USSR	08 JUN	22 JUN 82	
1982-056B		13264	USSR	08 JUN	12 JUN 82	
1982-056C		13288	USSR	08 JUN	14 JUL 82	
1982-056D		13289	USSR	08 JUN	29 JUN 82	
1982-056E		13290	USSR	08 JUN	22 JUN 82	
1982-057A	COSMOS 1377	13265	USSR	08 JUN	22 JUN 82	
1982-057B		13294	US	09 JUN	12 JUN 82	
1982-058B		13281	USSR	18 JUN	22 MAR 90	
1982-060A	COSMOS 1379	13284	USSR	18 JUN	18 JUN 82	
1982-060B		13282	USSR	18 JUN	27 JUN 82	
1982-061A	COSMOS 1380	13286	USSR	18 JUN	25 JUN 82	
1982-061B		13283	USSR	18 JUN	01 JUL 82	
1982-062A	COSMOS 1381	13285	USSR	18 JUN	28 JUN 82	
1982-062B		13305	USSR	18 JUN	11 AUG 82	
1982-062C		13306	USSR	18 JUN	10 SEP 82	
1982-062D		13307	USSR	18 JUN	13 JUL 82	
1982-062E		13363	USSR	18 JUN	24 FEB 83	
1982-062F	SOYUZ T-6	13292	USSR	24 JUN	02 JUL 82	
1982-063A		13293	USSR	24 JUN	26 JUN 82	
1982-063B		13296	USSR	25 JUN	07 AUG 82	
1982-064B		13297	USSR	25 JUN	15 JUL 82	
1982-064C		13300	US	27 JUN	04 JUL 82	
1982-065A	STS 4	13303	USSR	30 JUN	30 JUL 82	
1982-067A	COSMOS 1384	13304	USSR	06 JUL	05 JUL 82	
1982-067B		13345	USSR	06 JUL	20 JUL 82	
1982-068A	COSMOS 1385					

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECEASED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1982-068B		13346		USSR	06 JUL	08 JUL 82	
1982-068C		13370		USSR	06 JUL	20 JUL 82	
1982-068D		13371		USSR	06 JUL	17 AUG 82	
1982-068E		13372		USSR	06 JUL	18 OCT 82	
1982-068F		13373		USSR	06 JUL	09 AUG 82	
1982-068G		13374		USSR	06 JUL	19 AUG 82	
1982-070A	PROGRESS 14	13361		USSR	10 JUL	13 AUG 82	
1982-070B		13362		USSR	10 JUL	12 JUL 82	
1982-071A	COSMOS 1387	13365		USSR	13 JUL	26 JUL 82	
1982-071B		13366		USSR	13 JUL	17 JUL 82	
1982-071C		13388		USSR	13 JUL	31 JUL 82	
1982-071D		13389		USSR	13 JUL	27 JUL 82	
1982-072B		13368		US	16 JUL	12 JUL 84	
1982-074A	MOLNIYA 1-55	13383		USSR	21 JUL	10 OCT 92	
1982-074B		13384		USSR	21 JUL	20 SEP 82	
1982-074C		13385		USSR	21 JUL	03 SEP 82	
1982-075A	COSMOS 1396	13391		USSR	27 JUL	10 AUG 82	
1982-075B		13392		USSR	27 JUL	01 AUG 82	
1982-075C		13406		USSR	27 JUL	19 AUG 82	
1982-075D		13407		USSR	27 JUL	12 AUG 82	
1982-076A		13394		USSR	29 JUL	18 MAY 83	
1982-076B		13395		USSR	29 JUL	21 APR 83	
1982-076C		13981		USSR	29 JUL	22 APR 83	
1982-076D		13982		USSR	29 JUL	21 APR 83	
1982-076E		13986		USSR	29 JUL	13 APR 83	
1982-076F		13987		USSR	29 JUL	25 APR 83	
1982-076G		13988		USSR	29 JUL	18 APR 83	
1982-076H		13989		USSR	29 JUL	13 APR 83	
1982-076J		14008		USSR	29 JUL	24 APR 83	
1982-076K		14009		USSR	29 JUL	23 APR 83	
1982-076L		14010		USSR	29 JUL	24 APR 83	
1982-076M		14011		USSR	29 JUL	25 APR 83	
1982-076N		14012		USSR	29 JUL	24 APR 83	
1982-076P		14013		USSR	29 JUL	24 APR 83	
1982-076Q		14018		USSR	29 JUL	24 APR 83	
1982-076R		14019		USSR	29 JUL	24 APR 83	
1982-076S		14020		USSR	29 JUL	24 APR 83	
1982-076T		14021		USSR	29 JUL	26 APR 83	
1982-076U		14022		USSR	29 JUL	24 APR 83	
1982-076V		14023		USSR	29 JUL	25 APR 83	
1982-076W		14024		USSR	29 JUL	27 APR 83	
1982-076X		14025		USSR	29 JUL	27 APR 83	
1982-076Y		14031		USSR	29 JUL	24 APR 83	
1982-076Z		14035		USSR	29 JUL	25 APR 83	
1982-077A	COSMOS 1398	13396		USSR	03 AUG	13 AUG 82	
1982-077B		13397		USSR	03 AUG	07 AUG 82	
1982-077C		13414		USSR	03 AUG	13 AUG 82	
1982-077D		13415		USSR	03 AUG	13 AUG 82	
1982-078A	COSMOS 1399	13399		USSR	04 AUG	16 SEP 82	
1982-078B		13400		USSR	04 AUG	08 AUG 82	
1982-078C		13401		USSR	04 AUG	08 AUG 82	
1982-080A	SOYUZ T-7	13425		USSR	19 AUG	10 DEC 82	
1982-080B		13426		USSR	19 AUG	21 AUG 82	
1982-081A	COSMOS 1401	13427		USSR	20 AUG	03 SEP 82	
1982-081B		13428		USSR	20 AUG	25 AUG 82	
1982-081C		13494		USSR	20 AUG	07 SEP 82	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1982-081D		13495	USSR	20 AUG	09 SEP 82	
1982-081E		13496	USSR	20 AUG	22 SEP 82	
1982-082B		13438	US	20 AUG	18 SEP 82	
1982-082C		13447	US	26 AUG	23 AUG 85	
1982-083B		13433	USSR	27 AUG	12 SEP 82	
1982-083C		13434	USSR	27 AUG	10 SEP 82	
1982-083D		13437	USSR	27 AUG	02 SEP 82	
1982-084A	COSMOS 1402	13441	USSR	30 AUG	23 JAN 83	
1982-084B		13747	USSR	30 AUG	30 DEC 82	
1982-084C		13748	USSR	30 AUG	07 FEB 83	
1982-085A		13448	USSR	01 SEP	15 SEP 82	
1982-085B		13450	USSR	01 SEP	09 SEP 82	
1982-085C	COSMOS 1403	13452	USSR	01 SEP	02 SEP 82	
1982-085D		13542	USSR	01 SEP	05 APR 83	
1982-085E		13543	USSR	01 SEP	30 OCT 82	
1982-085F		13545	USSR	01 SEP	14 OCT 82	
1982-085G		13551	USSR	01 SEP	26 OCT 82	
1982-086A		13449	USSR	01 SEP	15 SEP 82	
1982-086B		13451	USSR	01 SEP	10 SEP 82	
1982-086C	COSMOS 1404	13453	USSR	01 SEP	02 SEP 82	
1982-086D		13454	USSR	01 SEP	03 SEP 82	
1982-086E		13544	USSR	01 SEP	29 OCT 82	
1982-086F		13548	USSR	01 SEP	17 OCT 82	
1982-086G		13549	USSR	01 SEP	12 APR 83	
1982-086H		13550	USSR	01 SEP	30 OCT 82	
1982-088A		13508	USSR	04 SEP	05 FEB 84	
1982-088AA	COSMOS 1405	14650	USSR	04 SEP	09 JAN 84	
1982-088AB		14651	USSR	04 SEP	05 JAN 84	
1982-088AC		14652	USSR	04 SEP	27 FEB 84	
1982-088AD		14653	USSR	04 SEP	28 JAN 84	
1982-088AE		14654	USSR	04 SEP	14 JAN 84	
1982-088AF		14655	USSR	04 SEP	03 FEB 84	
1982-088AG		14656	USSR	04 SEP	19 FEB 84	
1982-088AH		14657	USSR	04 SEP	31 JAN 84	
1982-088AJ		14658	USSR	04 SEP	21 JAN 84	
1982-088B		13509	USSR	04 SEP	05 SEP 82	
1982-088C		14599	USSR	04 SEP	03 JAN 84	
1982-088D		14600	USSR	04 SEP	12 JAN 84	
1982-088E		14601	USSR	04 SEP	03 JAN 84	
1982-088F		14602	USSR	04 SEP	01 JAN 84	
1982-088G		14603	USSR	04 SEP	08 JAN 84	
1982-088H		14604	USSR	04 SEP	05 JAN 84	
1982-088J		14605	USSR	04 SEP	17 FEB 84	
1982-088K		14606	USSR	04 SEP	03 JAN 84	
1982-088L		14636	USSR	04 SEP	08 JAN 84	
1982-088M		14637	USSR	04 SEP	10 JAN 84	
1982-088N		14638	USSR	04 SEP	31 DEC 83	
1982-088P		14639	USSR	04 SEP	28 DEC 83	
1982-088R		14640	USSR	04 SEP	01 JAN 84	
1982-088S		14641	USSR	04 SEP	30 DEC 83	
1982-088T		14642	USSR	04 SEP	04 JAN 84	
1982-088U		14643	USSR	04 SEP	30 DEC 83	
1982-088V		14644	USSR	04 SEP	31 DEC 83	
1982-088W		14645	USSR	04 SEP	13 JAN 84	
1982-088X		14646	USSR	04 SEP	06 JAN 84	
1982-088Y		14647	USSR	04 SEP		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1982-088Y		14648	USSR	04 SEP	21 FEB 84	
1982-088Z		14649	USSR	04 SEP	04 JAN 84	
1982-089A	COSMOS 1406	13519	USSR	08 SEP	21 SEP 82	
1982-089B		13520	USSR	08 SEP	11 SEP 82	
1982-089C		13581	USSR	08 SEP	25 SEP 82	
1982-089D		13582	USSR	08 SEP	23 SEP 82	
1982-090A	PRC 12	13521	PRC	09 SEP	21 SEP 82	
1982-090B		13540	PRC	09 SEP	09 SEP 82	
1982-090C		13557	PRC	09 SEP	11 SEP 82	
1982-091A	COSMOS 1407	13546	USSR	15 SEP	16 OCT 82	
1982-091B		13547	USSR	15 SEP	19 SEP 82	
1982-093B		13555	USSR	16 SEP	18 SEP 82	
1982-093C		13556	USSR	16 SEP	17 SEP 82	
1982-093D		13583	USSR	16 SEP	12 OCT 83	
1982-093E		13584	USSR	16 SEP	14 SEP 83	
1982-094A	PROGRESS 15	13558	USSR	18 SEP	16 OCT 82	
1982-094B		13559	USSR	18 SEP	16 OCT 82	
1982-095B		13586	USSR	22 SEP	20 SEP 82	
1982-095C		13587	USSR	22 SEP	17 OCT 82	
1982-097B		13599	US	28 SEP	13 OCT 82	
1982-098A	COSMOS 1411	13597	USSR	30 SEP	16 FEB 92	
1982-098B		13598	USSR	30 SEP	14 OCT 82	
1982-098C		13613	USSR	30 SEP	06 OCT 82	
1982-098D		13614	USSR	30 SEP	23 OCT 82	
1982-098E		13616	USSR	30 SEP	15 OCT 82	
1982-099B		13645	USSR	02 OCT	16 OCT 82	
1982-099C		13646	USSR	02 OCT	04 DEC 82	
1982-099D		13647	USSR	02 OCT	12 NOV 82	
1982-100B		13604	USSR	02 OCT	14 NOV 82	
1982-100C		13605	USSR	12 OCT	14 OCT 82	
1982-101A	COSMOS 1416	13611	USSR	12 OCT	13 OCT 82	
1982-101B		13612	USSR	14 OCT	28 OCT 82	
1982-101C		13633	USSR	14 OCT	23 OCT 82	
1982-101D		13634	USSR	14 OCT	30 OCT 82	
1982-103B		13625	USSR	14 OCT	08 NOV 82	
1982-103C		13626	USSR	20 OCT	22 OCT 82	
1982-103D		13629	USSR	20 OCT	21 OCT 82	
1982-103F		13644	USSR	20 OCT	05 JUL 83	
1982-104A		13627	USSR	20 OCT	21 MAY 83	
1982-104B	COSMOS 1418	13628	USSR	21 OCT	30 SEP 83	
1982-105B		13632	USSR	21 OCT	30 MAR 83	
1982-105C		13684	US	28 OCT	16 DEC 88	
1982-106C		13639	US	28 OCT	09 FEB 84	
1982-107A	PROGRESS 16	13638	US	30 OCT	14 SEP 83	
1982-107B		13640	USSR	31 OCT	14 DEC 82	
1982-108A	COSMOS 1419	13641	USSR	31 OCT	02 NOV 82	
1982-108B		13642	USSR	02 NOV	16 NOV 82	
1982-108C		13654	USSR	02 NOV	06 NOV 82	
1982-108D		13655	USSR	02 NOV	21 NOV 82	
1982-108E		13656	USSR	02 NOV	17 NOV 82	
1982-108F		13657	USSR	02 NOV	17 NOV 82	
1982-109C		14227	USSR	11 NOV	16 NOV 82	
1982-110A	STS 5	13650	US	11 NOV	19 SEP 90	
1982-111A		13659	US	17 NOV	16 NOV 82	
1982-111B		13660	US	17 NOV	13 AUG 85	
1982-033AD	ISKRA 3	13663	USSR	18 NOV	27 DEC 82	

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DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY				
1982-112A	COSMOS 1421	13661	USSR	18 NOV	02 DEC 82				
1982-112B		13662	USSR	18 NOV	22 NOV 82				
1982-112C		13665	USSR	18 NOV	20 NOV 82				
1982-112D		13672	USSR	18 NOV	05 DEC 82				
1982-112E		13673	USSR	18 NOV	06 DEC 82				
1982-112F		13674	USSR	18 NOV	14 DEC 82				
1982-113B		13670	USSR	26 NOV	27 NOV 82				
1982-113C		13671	USSR	26 NOV	28 NOV 82				
1982-113D		13675	USSR	26 NOV	15 JUN 84				
1982-113E		13676	USSR	26 NOV	12 OCT 83				
1982-114A	COSMOS 1422	13677	USSR	03 DEC	17 DEC 82				
1982-114B		13678	USSR	03 DEC	07 DEC 82				
1982-114C		13679	USSR	03 DEC	04 DEC 82				
1982-114D		13727	USSR	03 DEC	29 DEC 82				
1982-114E		13728	USSR	03 DEC	20 DEC 82				
1982-114F		13730	USSR	03 DEC	18 DEC 82				
1982-115A	COSMOS 1423	13685	USSR	08 DEC	18 JAN 86				
1982-115AA		13717	USSR	08 DEC	08 MAR 84				
1982-115AB		13721	USSR	08 DEC	15 SEP 83				
1982-115AC		13722	USSR	08 DEC	26 JAN 84				
1982-115AD		13937	USSR	08 DEC	21 APR 83				
1982-115AE		13938	USSR	08 DEC	05 MAY 84				
1982-115AF		14343	USSR	08 DEC	02 APR 85				
1982-115AG		14434	USSR	08 DEC	16 NOV 85				
1982-115AH		19666	USSR	08 DEC	08 JAN 89				
1982-115AJ		19835	USSR	08 DEC	12 MAR 89				
1982-115B		13686	USSR	08 DEC	27 DEC 82				
1982-115C		13692	USSR	08 DEC	09 DEC 82				
1982-115D		13693	USSR	08 DEC	22 DEC 82				
1982-115E		13696	USSR	08 DEC	16 MAY 88				
1982-115F		13697	USSR	08 DEC	19 DEC 82				
1982-115G		13698	USSR	08 DEC	21 DEC 82				
1982-115H		13699	USSR	08 DEC	23 DEC 82				
1982-115J		13701	USSR	08 DEC	12 DEC 82				
1982-115K		13702	USSR	08 DEC	15 DEC 82				
1982-115L		13703	USSR	08 DEC	11 APR 84				
1982-115M		13704	USSR	08 DEC	26 MAY 85				
1982-115N		13705	USSR	08 DEC	26 APR 83				
1982-115P		13706	USSR	08 DEC	08 APR 84				
1982-115Q		13707	USSR	08 DEC	07 JUN 84				
1982-115R		13708	USSR	08 DEC	23 MAR 89				
1982-115S		13709	USSR	08 DEC	01 NOV 83				
1982-115T		13710	USSR	08 DEC	29 FEB 84				
1982-115U		13711	USSR	08 DEC	02 SEP 83				
1982-115V		13712	USSR	08 DEC	06 DEC 84				
1982-115W		13713	USSR	08 DEC	11 DEC 85				
1982-115X		13714	USSR	08 DEC	17 FEB 86				
1982-115Y		13715	USSR	08 DEC	16 JUL 84				
1982-115Z		13716	USSR	08 DEC	26 MAY 84				
1982-117A	COSMOS 1424	13725	USSR	16 DEC	28 JAN 83				
1982-117B		13726	USSR	16 DEC	19 DEC 82				
1982-118B		13737	US	21 DEC	01 OCT 91				
1982-118D		13773	US	21 DEC	06 JUN 91				
1982-118E		13774	US	21 DEC	29 OCT 91				
1982-119A	COSMOS 1425	13739	USSR	23 DEC	06 JAN 83				
1982-119B		13740	USSR	23 DEC	06 JAN 83				

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1982-119C		13741	USSR	23 DEC	28 DEC 82	
1982-119D		13742	USSR	23 DEC	28 DEC 82	
1982-119E		13754	USSR	23 DEC	27 OCT 83	
1982-119F		13755	USSR	23 DEC	03 MAR 83	
1982-119G		13756	USSR	23 DEC	11 FEB 83	
1982-120A	COSMOS 1426	13745	USSR	28 DEC	05 MAR 83	
1982-120B		13746	USSR	28 DEC	07 JAN 83	
1982-120C		13749	USSR	28 DEC	23 MAR 83	
1982-120D		13752	USSR	28 DEC	07 JAN 83	
1982-120E		13873	USSR	28 DEC	08 MAR 83	
1982-121A	COSMOS 1427	13750	USSR	29 DEC	05 OCT 89	
1982-121B		13751	USSR	29 DEC	26 MAR	
1983 LAUNCHES						
1983-058E		17302	ESA	16 JAN	10 JUL	
1983-005A	COSMOS 1438	13779	USSR	27 JAN	07 FEB 83	
1983-005B		13780	USSR	27 JAN	30 JAN 83	
1983-005C		13787	USSR	27 JAN	12 FEB 83	
1983-005D		13788	USSR	27 JAN	08 FEB 83	
1983-005E		13789	USSR	27 JAN	11 FEB 83	
1983-005F		13790	USSR	27 JAN	13 FEB 83	
1983-007A	COSMOS 1439	13784	USSR	06 FEB	22 FEB 83	
1983-007B		13785	USSR	06 FEB	10 FEB 83	
1983-007C		13843	USSR	06 FEB	22 FEB 83	
1983-009A	COSMOS 1440	13793	USSR	10 FEB	24 FEB 83	
1983-009B		13794	USSR	10 FEB	15 FEB 83	
1983-009C		13847	USSR	10 FEB	15 MAR 83	
1983-009D		13848	USSR	10 FEB	02 MAR 83	
1983-011A	ASTRO-B	13829	JAPAN	20 FEB	17 DEC 88	
1983-011B		13830	JAPAN	20 FEB	19 JAN 89	
1983-011C		13846	JAPAN	20 FEB	03 MAR 83	
1983-011D		14566	JAPAN	20 FEB	31 AUG 87	
1983-011E		14567	JAPAN	20 FEB	08 OCT 84	
1983-012A	COSMOS 1442	13850	USSR	25 FEB	11 APR 83	
1983-012B		13851	USSR	25 FEB	01 MAR 83	
1983-013A	COSMOS 1443	13868	USSR	02 MAR	19 SEP 83	
1983-013B		13869	USSR	02 MAR	05 MAR 83	
1983-013C		13872	USSR	02 MAR	04 MAR 83	
1983-013D		14305	USSR	02 MAR	12 SEP 83	
1983-014A	COSMOS 1444	13870	USSR	02 MAR	16 MAR 83	
1983-014B		13871	USSR	02 MAR	11 MAR 83	
1983-014C		13891	USSR	02 MAR	16 MAR 83	
1983-014D		13892	USSR	02 MAR	20 APR 83	
1983-014E		13893	USSR	02 MAR	26 MAY 83	
1983-014F		13894	USSR	02 MAR	04 FEB 84	
1983-015B		13876	USSR	11 MAR	27 MAR 83	
1983-015C		13877	USSR	11 MAR	01 APR 83	
1983-015D		13881	USSR	11 MAR	26 MAR 83	
1983-016B		13879	USSR	12 MAR	14 MAR 83	
1983-016C		13880	USSR	12 MAR	13 MAR 83	
1983-016D		13884	USSR	12 MAR	27 OCT 86	
1983-016E		13885	USSR	12 MAR	02 APR 86	
1983-017A	COSMOS 1445	13883	USSR	15 MAR	16 MAR 83	
1983-017B		13888	USSR	15 MAR	17 MAR 83	
1983-017C		13889	USSR	15 MAR	18 MAR 83	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1983-018A	COSMOS 1446	13886	USSR	16 MAR	30 MAR 83	
1983-018B		13887	USSR	16 MAR	29 MAR 83	
1983-018C		13951	USSR	16 MAR	04 APR 83	
1983-018D		13952	USSR	16 MAR	30 MAR 83	
1983-018E		13953	USSR	16 MAR	31 MAR 83	
1983-019B		13895	USSR	16 MAR	04 APR 83	
1983-019C		13896	USSR	16 MAR	31 MAR 83	
1983-019E		13898	USSR	16 MAR	31 MAR 83	
1983-020B		13902	USSR	23 MAR	18 JUN 85	
1983-020C		13903	USSR	23 MAR	05 AUG 85	
1983-022B		13924	US	28 MAR	12 OCT 91	
1983-022C		14477	US	28 MAR	21 MAY 91	
1983-022D		16442	US	28 MAR	09 FEB 86	
1983-022E		16443	US	28 MAR	16 JAN 86	
1983-022F		16444	US	28 MAR	20 JAN 86	
1983-022G		16502	US	28 MAR	21 FEB 88	
1983-022H	COSMOS 1449	16503	US	28 MAR	19 FEB 89	
1983-022J		16504	US	28 MAR	13 NOV 86	
1983-024A		13955	USSR	31 MAR	15 APR 83	
1983-024B		13956	USSR	31 MAR	09 APR 83	
1983-024C		13962	USSR	31 MAR	01 APR 83	
1983-024D		13963	USSR	31 MAR	10 APR 83	
1983-024E		13993	USSR	31 MAR	23 APR 83	
1983-024F		13994	USSR	31 MAR	18 MAY 83	
1983-024G		13995	USSR	31 MAR	25 MAR 84	
1983-024H		13996	USSR	31 MAR	24 JUN 83	
1983-024J		13997	USSR	31 MAR	22 APR 83	
1983-025B		13965	USSR	02 APR	01 MAY 83	
1983-025C		13966	USSR	02 APR	16 APR 83	
1983-026A		13968	US	04 APR	09 APR 83	
1983-027A	STS 6 COSMOS 1450	13972	USSR	06 APR	30 MAY 90	
1983-027B		13973	USSR	06 APR	23 MAR 89	
1983-028B		13976	USSR	08 APR	08 APR 83	
1983-028C		13977	USSR	08 APR	10 APR 83	
1983-028D	COSMOS 1451	13979	USSR	08 APR	15 MAY 84	
1983-028E		13980	USSR	08 APR	15 JUN 84	
1983-029A		13975	USSR	08 APR	22 APR 83	
1983-029B		13978	USSR	08 APR	09 APR 83	
1983-029C		14016	USSR	08 APR	20 MAY 83	
1983-029D		14026	USSR	08 APR	25 APR 83	
1983-029E		14027	USSR	08 APR	27 APR 83	
1983-030C		13990	US	11 APR	27 OCT 86	
1983-032A	ROHINI 3	14001	US	15 APR	21 AUG 83	
1983-033A		14002	INDIA	17 APR	19 APR 90	
1983-033B		14003	INDIA	17 APR	18 MAR 89	
1983-033C		14004	INDIA	17 APR	11 MAY 87	
1983-033D		14224	INDIA	17 APR	06 JUN 88	
1983-033E		14225	INDIA	17 APR	04 JAN 89	
1983-033F		14397	INDIA	17 APR	04 FEB 84	
1983-034A	COSMOS 1453	14006	USSR	19 APR	08 MAY 89	
1983-034B		14007	USSR	19 APR	25 MAR 89	
1983-034C		14577	USSR	19 APR	25 MAR 84	
1983-034D		14578	USSR	19 APR	01 APR 84	
1983-034E		14597	USSR	19 APR	08 JUN 84	
1983-034F		14598	USSR	19 APR	01 DEC 84	
1983-034G		14730	USSR	19 APR	21 MAY	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAY	NOTES
			SOURCE			
1983-034H		14731	USSR	19 APR	10 APR 84	
1983-034J		14853	USSR	19 APR	30 MAY 84	
1983-034K		14854	USSR	19 APR	06 JUN 84	
1983-034N		15007	USSR	19 APR	02 NOV 84	
1983-034P		15008	USSR	19 APR	22 NOV 84	
1983-034Q		15013	USSR	19 APR	12 DEC 84	
1983-034R		15014	USSR	19 APR	03 DEC 84	
1983-034S		15015	USSR	19 APR	22 DEC 84	
1983-034T		15016	USSR	19 APR	14 NOV 84	
1983-034U		15017	USSR	19 APR	06 NOV 84	
1983-034V		15018	USSR	19 APR	24 OCT 84	
1983-034W		15019	USSR	19 APR	19 OCT 84	
1983-034X		15020	USSR	19 APR	14 OCT 84	
1983-034Y		15376	USSR	19 APR	15 JUL 85	
1983-034Z		15377	USSR	19 APR	22 MAY 85	
1983-035A	SOYUZ T-8	14014	USSR	20 APR	22 APR 83	
1983-035B		14015	USSR	20 APR	22 APR 83	
1983-035C		14029	USSR	20 APR	27 MAY 83	
1983-036A		14017	USSR	22 APR	22 MAY 83	
1983-036B		14028	USSR	22 APR	26 APR 83	
1983-036C		14030	USSR	22 APR	23 APR 83	
1983-038B		14036	USSR	25 APR	31 MAY 83	
1983-038C		14037	USSR	25 APR	07 MAY 83	
1983-038D		14038	USSR	25 APR	17 MAY 83	
1983-038F		14042	USSR	25 APR	06 MAY 83	
1983-038G		14043	USSR	25 APR	29 APR 83	
1983-039A	COSMOS 1457	14039	USSR	26 APR	08 JUN 83	
1983-039B		14040	USSR	26 APR	30 APR 83	
1983-040A	COSMOS 1458	14044	USSR	28 APR	11 MAY 83	
1983-040B		14045	USSR	28 APR	02 MAY 83	
1983-040C		14046	USSR	28 APR	19 MAY 83	
1983-040D		14066	USSR	28 APR	12 MAY 83	
1983-040E		14067	USSR	28 APR	17 MAY 83	
1983-041D		14196	US	28 APR	16 JUN 90	
1983-043A		14058	USSR	06 MAY	20 MAY 83	
1983-043B		14060	USSR	06 MAY	15 MAY 83	
1983-043C		14061	USSR	06 MAY	21 MAY 83	
1983-043D		14062	USSR	06 MAY	06 MAY 83	
1983-043E		14063	USSR	06 MAY	08 MAY 83	
1983-043F		14078	USSR	06 MAY	11 JUL 83	
1983-043G		14079	USSR	06 MAY	09 APR 84	
1983-043H		14080	USSR	06 MAY	08 AUG 83	
1983-043J		14082	USSR	06 MAY	26 MAY 83	
1983-043K		14083	USSR	06 MAY	27 MAY 83	
1983-043L		14247	USSR	06 MAY	17 AUG 83	
1983-044AB		15708	USSR	07 MAY	21 OCT 89	
1983-044AC		15709	USSR	07 MAY	08 MAR 89	
1983-044AD		15710	USSR	07 MAY	05 AUG 89	
1983-044AE		15711	USSR	07 MAY	15 AUG 87	
1983-044AF		15712	USSR	07 MAY	16 DEC 88	
1983-044AG		15713	USSR	07 MAY	17 AUG 91	
1983-044AH		15716	USSR	07 MAY	23 MAY 89	
1983-044AJ		15717	USSR	07 MAY	03 JUN 89	
1983-044AK		15718	USSR	07 MAY	02 SEP 90	
1983-044AL		15719	USSR	07 MAY	22 MAR 91	
1983-044AM		15720	USSR	07 MAY	20 MAR 89	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1983-044AN		15721	USSR	07 MAY	15 APR 87	
1983-044AP		15722	USSR	07 MAY	09 APR 90	
1983-044AQ		15723	USSR	07 MAY	19 FEB 89	
1983-044AR		15724	USSR	07 MAY	26 JUN 89	
1983-044AS		15725	USSR	07 MAY	06 JUN 85	
1983-044AT		15726	USSR	07 MAY	05 MAR 89	
1983-044AU		15727	USSR	07 MAY	16 MAR 89	
1983-044AV		15728	USSR	07 MAY	28 NOV 89	
1983-044AW		15729	USSR	07 MAY	18 JUL 90	
1983-044AX		15730	USSR	07 MAY	11 JUN 85	
1983-044AY		15731	USSR	07 MAY	29 APR 90	
1983-044AZ		15736	USSR	07 MAY	26 JUN 89	
1983-044B		14065	USSR	07 MAY	07 MAY 83	
1983-044BA		15737	USSR	07 MAY	14 SEP 88	
1983-044BB		15796	USSR	07 MAY	14 JUN 89	
1983-044BC		15797	USSR	07 MAY	04 FEB 89	
1983-044BD		15798	USSR	07 MAY	26 MAY 87	
1983-044BE		15799	USSR	07 MAY	15 NOV 90	
1983-044BF		15800	USSR	07 MAY	18 APR 89	
1983-044BG		15801	USSR	07 MAY	01 DEC 90	
1983-044BH		15802	USSR	07 MAY	28 FEB 88	
1983-044BJ		15803	USSR	07 MAY	21 OCT 88	
1983-044BK		15812	USSR	07 MAY	04 MAR 88	
1983-044BL		15813	USSR	07 MAY	22 OCT 85	
1983-044BM		15814	USSR	07 MAY	03 JUN 90	
1983-044BN		15815	USSR	07 MAY	29 APR 92	
1983-044BP		15816	USSR	07 MAY	10 JUN 89	
1983-044BQ		15817	USSR	07 MAY	27 APR 89	
1983-044BR		16774	USSR	07 MAY	11 APR 89	
1983-044BS		16775	USSR	07 MAY	04 MAR 89	
1983-044BT		16776	USSR	07 MAY	16 DEC 89	
1983-044BU		16777	USSR	07 MAY	12 FEB 89	
1983-044BV		16778	USSR	07 MAY	29 MAR 89	
1983-044BW		16779	USSR	07 MAY	13 JAN 89	
1983-044BX		16780	USSR	07 MAY	02 JUL 90	
1983-044BY		16781	USSR	07 MAY	10 DEC 88	
1983-044BZ		16782	USSR	07 MAY	22 JUN 90	
1983-044C		15601	USSR	07 MAY	23 MAR 85	
1983-044CA		17010	USSR	07 MAY	22 MAR 89	
1983-044CB		17011	USSR	07 MAY	03 JAN 89	
1983-044CC		17012	USSR	07 MAY	22 JUN 89	
1983-044CD		17013	USSR	07 MAY	25 APR 90	
1983-044CE		17014	USSR	07 MAY	27 FEB 89	
1983-044CF		17015	USSR	07 MAY	22 DEC 88	
1983-044CG		17016	USSR	07 MAY	13 MAY 89	
1983-044CH		17017	USSR	07 MAY	03 AUG 89	
1983-044CJ		17091	USSR	07 MAY	09 MAR 88	
1983-044CK		17096	USSR	07 MAY	17 APR 89	
1983-044CL		17097	USSR	07 MAY	30 APR 89	
1983-044CM		17098	USSR	07 MAY	21 OCT 90	
1983-044CN		17099	USSR	07 MAY	28 MAR 90	
1983-044CP		17163	USSR	07 MAY	13 JUN 89	
1983-044CQ		17171	USSR	07 MAY	17 MAR 89	
1983-044CR		17643	USSR	07 MAY	08 APR 89	
1983-044CS		17644	USSR	07 MAY	18 DEC 88	
1983-044CT		17645	USSR	07 MAY	11 APR 89	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1983-044CU		17646		USSR	07 MAY	25 JAN 89	
1983-044CV		17647		USSR	07 MAY	14 FEB 89	
1983-044CW		17733		USSR	07 MAY	22 DEC 88	
1983-044CX		17734		USSR	07 MAY	13 SEP 89	
1983-044CY		17735		USSR	07 MAY	11 MAY 89	
1983-044CZ		17736		USSR	07 MAY	22 JAN 88	
1983-044D		15602		USSR	07 MAY	15 MAR 85	
1983-044DA		17737		USSR	07 MAY	16 NOV 88	
1983-044DB		17738		USSR	07 MAY	02 OCT 89	
1983-044DC		17739		USSR	07 MAY	13 FEB 91	
1983-044DD		17740		USSR	07 MAY	15 OCT 89	
1983-044DE		17741		USSR	07 MAY	06 MAY 89	
1983-044DF		17742		USSR	07 MAY	03 NOV 88	
1983-044DG		17743		USSR	07 MAY	02 APR 88	
1983-044DH		17744		USSR	07 MAY	22 MAR 90	
1983-044DJ		17745		USSR	07 MAY	30 AUG 89	
1983-044DK		17746		USSR	07 MAY	12 OCT 89	
1983-044DL		17747		USSR	07 MAY	10 APR 89	
1983-044DM		17748		USSR	07 MAY	01 APR 89	
1983-044DN		17749		USSR	07 MAY	17 APR 89	
1983-044DP		17750		USSR	07 MAY	04 JUL 89	
1983-044DQ		17751		USSR	07 MAY	05 JUN 89	
1983-044DR		17752		USSR	07 MAY	27 DEC 89	
1983-044DS		17753		USSR	07 MAY	14 MAY 89	
1983-044DT		17833		USSR	07 MAY	11 MAY 89	
1983-044DU		17834		USSR	07 MAY	22 MAY 89	
1983-044DV		17835		USSR	07 MAY	19 JAN 89	
1983-044DW		17836		USSR	07 MAY	10 APR 89	
1983-044DX		17837		USSR	07 MAY	29 MAR 89	
1983-044DY		18237		USSR	07 MAY	21 DEC 88	
1983-044DZ		18243		USSR	07 MAY	07 SEP 89	
1983-044E		15603		USSR	07 MAY	29 OCT 86	
1983-044EA		18244		USSR	07 MAY	13 SEP 89	
1983-044EB		18245		USSR	07 MAY	29 NOV 88	
1983-044EC		18246		USSR	07 MAY	13 FEB 89	
1983-044ED		18247		USSR	07 MAY	12 FEB 89	
1983-044EE		18248		USSR	07 MAY	21 NOV 89	
1983-044EF		18249		USSR	07 MAY	21 DEC 88	
1983-044EG		18378		USSR	07 MAY	07 SEP 89	
1983-044EH		18379		USSR	07 MAY	29 OCT 86	
1983-044EJ		18473		USSR	07 MAY	13 SEP 89	
1983-044EK		18474		USSR	07 MAY	29 NOV 88	
1983-044EM		18481		USSR	07 MAY	13 FEB 89	
1983-044EN		18482		USSR	07 MAY	12 FEB 89	
1983-044EP		18483		USSR	07 MAY	21 NOV 89	
1983-044EQ		18484		USSR	07 MAY	21 DEC 88	
1983-044ER		18485		USSR	07 MAY	02 JUL 89	
1983-044ES		18493		USSR	07 MAY	04 JUN 89	
1983-044ET		18520		USSR	07 MAY	13 APR 89	
1983-044EU		18544		USSR	07 MAY	28 AUG 90	
1983-044EV		18566		USSR	07 MAY	30 DEC 88	
1983-044EW		18694		USSR	07 MAY	24 MAR 88	
1983-044EX		18797		USSR	07 MAY	23 APR 89	
1983-044EY		18812		USSR	07 MAY	18 OCT 88	
1983-044EZ		18868		USSR	07 MAY	19 JAN 89	
1983-044F		15604		USSR	07 MAY	02 JUL 88	
						16 JUN 89	
						23 MAY 89	
						03 APR 89	
						22 JAN 88	
						11 AUG 89	
						12 FEB 91	
						26 DEC 88	
						22 APR 85	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1983-044FA		18869	USSR	07 MAY	02 NOV 88	
1983-044FB		18975	USSR	07 MAY	24 MAY 88	
1983-044FC		19101	USSR	07 MAY	04 MAY 89	
1983-044FD		19172	USSR	07 MAY	27 OCT 89	
1983-044FE		19296	USSR	07 MAY	15 MAY 89	
1983-044FF		19303	USSR	07 MAY	04 DEC 89	
1983-044FG		19305	USSR	07 MAY	18 NOV 88	
1983-044FH		19308	USSR	07 MAY	27 MAY 89	
1983-044FJ		19310	USSR	07 MAY	30 NOV 89	
1983-044FK		19361	USSR	07 MAY	07 APR 89	
1983-044FL		19426	USSR	07 MAY	05 MAR 89	
1983-044FM		19427	USSR	07 MAY	03 MAR 89	
1983-044FN		19668	USSR	07 MAY	16 JAN 90	
1983-044FP		19947	USSR	07 MAY	19 MAY 89	
1983-044G		15605	USSR	07 MAY	04 SEP 88	
1983-044H		15606	USSR	07 MAY	22 OCT 88	
1983-044J		15681	USSR	07 MAY	18 AUG 88	
1983-044K		15682	USSR	07 MAY	18 FEB 89	
1983-044L		15683	USSR	07 MAY	24 AUG 88	
1983-044M		15684	USSR	07 MAY	06 OCT 89	
1983-044N		15685	USSR	07 MAY	16 DEC 90	
1983-044P		15686	USSR	07 MAY	22 OCT 88	
1983-044Q		15687	USSR	07 MAY	27 MAR 89	
1983-044R		20133	USSR	07 MAY	10 JUL 89	
1983-044S		15688	USSR	07 MAY	04 JUL 87	
1983-044T		15689	USSR	07 MAY	24 JUL 87	
1983-044U		15691	USSR	07 MAY	01 FEB 89	
1983-044V		15692	USSR	07 MAY	07 APR 88	
1983-044W		15703	USSR	07 MAY	17 JAN 89	
1983-044X		15704	USSR	07 MAY	17 FEB 89	
1983-044Y		15705	USSR	07 MAY	09 MAR 89	
1983-044Z		15706	USSR	07 MAY	28 APR 89	
1983-045A	COSMOS 1462	14071	USSR	17 MAY	31 MAY 83	
1983-045B		14072	USSR	17 MAY	23 MAY 83	
1983-045C		14073	USSR	17 MAY	21 MAY 83	
1983-045D		14074	USSR	17 MAY	09 JUN 83	
1983-045E		14098	USSR	17 MAY	07 JUN 83	
1983-045F		14099	USSR	17 MAY	20 JUN 83	
1983-046B		14076	USSR	19 MAY	07 NOV 89	
1983-047B		14081	US	19 MAY	13 FEB 88	
1983-049A	COSMOS 1465	14087	USSR	23 JAN 85	23 JAN 85	
1983-049B		14088	USSR	26 MAY	11 JAN 85	
1983-049C		14091	USSR	26 MAY	15 JUL 83	
1983-049D		14092	USSR	26 MAY	02 JUL 83	
1983-049E		14093	USSR	26 MAY	05 JUL 83	
1983-049F		14094	USSR	26 MAY	09 DEC 83	
1983-049G		14212	USSR	26 MAY	02 NOV 83	
1983-049H		14213	USSR	26 MAY	31 OCT 83	
1983-049J		14214	USSR	26 MAY	29 OCT 83	
1983-049K		14215	USSR	26 MAY	25 OCT 83	
1983-050A	COSMOS 1466	14089	USSR	26 MAY	06 JUL 83	
1983-050B		14090	USSR	26 MAY	30 MAY 83	
1983-050C		14097	USSR	26 MAY	27 MAY 83	
1983-051A	EXOSAT	14095	ESA	26 MAY	06 MAY 86	
1983-051C		14525	US	26 MAY	07 APR 86	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1983-051D		14526	US	26 MAY	06 MAR 89	
1983-051E		14927	US	26 MAY	21 MAR 89	
1983-052A	COSMOS 1467	14100	USSR	31 MAY	12 JUN 83	
1983-052B		14101	USSR	31 MAY	10 JUN 83	
1983-052C		14102	USSR	31 MAY	02 JUN 83	
1983-052D		14103	USSR	31 MAY	02 JUN 83	
1983-052E		14116	USSR	31 MAY	06 JUN 84	
1983-052F		14118	USSR	31 MAY	13 SEP 83	
1983-052G		14119	USSR	31 MAY	19 JUN 83	
1983-052H		14120	USSR	31 MAY	21 JUN 83	
1983-052J		14121	USSR	31 MAY	07 AUG 83	
1983-053B		14105	USSR	02 JUN	03 JUN 83	
1983-053C		14106	USSR	02 JUN	03 JUN 83	
1983-054B		14108	USSR	07 JUN	08 JUN 83	
1983-054C		14109	USSR	07 JUN	08 JUN 83	
1983-055A	COSMOS 1468	14110	USSR	07 JUN	21 JUN 83	
1983-055B		14111	USSR	07 JUN	12 JUN 83	
1983-055C		14140	USSR	07 JUN	15 JUL 83	
1983-055D		14141	USSR	07 JUN	29 JUN 83	
1983-057A		14123	USSR	14 JUN	24 JUN 83	
1983-057B	COSMOS 1469	14124	USSR	14 JUN	23 JUN 83	
1983-057C		14126	USSR	14 JUN	04 OCT 83	
1983-057D		14127	USSR	14 JUN	15 JUN 83	
1983-057E		14149	USSR	14 JUN	27 JUN 83	
1983-057F		14150	USSR	14 JUN	04 JUL 83	
1983-058D		14151	ESA	16 JUN	03 JUL 86	
1983-059A	STS 7	14132	US	18 JUN	24 JUN 83	
1983-059F	SPAS-01	14142	FRG	18 JUN	24 JUN 83	
1983-060A		14137	US	20 JUN	21 MAR 84	
1983-060B		14138	US	20 JUN	22 JUN 83	
1983-062A	SOYUZ T-9	14152	USSR	27 JUN	23 NOV 83	
1983-062B		14153	USSR	27 JUN	29 JUN 83	
1983-062C		14519	USSR	27 JUN	17 MAR 84	
1983-064A	COSMOS 1471	14156	USSR	28 JUN	28 JUL 83	
1983-064B		14157	USSR	28 JUN	03 JUL 83	
1983-064C		14232	USSR	28 JUN	28 JUL 83	
1983-064D		14233	USSR	28 JUN	28 JUL 83	
1983-065B		14159	US	28 JUN	11 AUG 83	
1983-066B		14161	USSR	30 JUN	03 JUL 83	
1983-066C		14162	USSR	30 JUN	01 JUL 83	
1983-066D		14166	USSR	30 JUN	22 FEB 84	
1983-067B		14164	USSR	01 JUL	05 AUG 83	
1983-067C		14165	USSR	01 JUL	25 JUL 83	
1983-068B	COSMOS 1472	14169	USSR	05 JUL	19 JUL 83	
1983-068C		14170	USSR	05 JUL	07 JUL 83	
1983-068D		14197	USSR	05 JUL	11 DEC 83	
1983-068E		14198	USSR	05 JUL	03 SEP 83	
1983-068F		14202	USSR	05 JUL	16 AUG 83	
1983-070B		14203	USSR	05 JUL	28 AUG 83	
1983-070C		14183	USSR	08 JUL	21 AUG 83	
1983-071A	COSMOS 1482	14184	USSR	13 JUL	24 JUL 83	
1983-071B		14185	USSR	13 JUL	27 JUL 83	
1983-071C		14186	USSR	13 JUL	25 JUL 83	
1983-071D		14187	USSR	13 JUL	15 JUL 83	
1983-071E		14188	USSR	13 JUL	09 DEC 83	
		14217	USSR	13 JUL	20 SEP 83	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DEATH	NOTES
1983-071F		14218	USSR	13 JUL	14 OCT 83	
1983-071G		14219	USSR	13 JUL	20 OCT 83	
1983-071H		14230	USSR	13 JUL	25 JUN 84	
1983-071J		14231	USSR	13 JUL	31 JUL 83	
1983-073B		14200	USSR	19 JUL	20 AUG 83	
1983-073C		14201	USSR	19 JUL	11 AUG 83	
1983-073D		14206	USSR	19 JUL	03 FEB 90	
1983-074A	COSMOS 1483	14204	USSR	20 JUL	03 AUG 83	
1983-074B		14205	USSR	20 JUL	26 JUL 83	
1983-074C		14239	USSR	20 JUL	11 AUG 83	
1983-074D		14242	USSR	20 JUL	11 AUG 83	
1983-074E		14243	USSR	20 JUL	26 AUG 83	
1983-076A	COSMOS 1485	14210	USSR	26 JUL	09 AUG 83	
1983-076B		14211	USSR	26 JUL	05 AUG 83	
1983-076C		14216	USSR	26 JUL	14 SEP 83	
1983-076D		14253	USSR	26 JUL	29 SEP 83	
1983-076E		14254	USSR	26 JUL	30 OCT 83	
1983-076F		14255	USSR	26 JUL	14 AUG 84	
1983-077B		14235	US	28 JUL	28 SEP 83	
1983-080A	COSMOS 1487	14245	USSR	05 AUG	19 AUG 83	
1983-080B		14246	USSR	05 AUG	11 AUG 83	
1983-080C		14249	USSR	05 AUG	14 AUG 83	
1983-080D		14291	USSR	05 AUG	26 AUG 83	
1983-080E		14292	USSR	05 AUG	11 SEP 83	
1983-080F		14295	USSR	05 AUG	28 AUG 83	
1983-081B		14250	USSR	05 AUG	27 SEP 83	
1983-081C		14287	JAPAN	05 AUG	25 MAY 91	
1983-082A	COSMOS 1488	14251	USSR	09 AUG	23 AUG 83	
1983-082B		14252	USSR	09 AUG	18 AUG 83	
1983-082C		14298	USSR	09 AUG	13 NOV 83	
1983-082D		14302	USSR	09 AUG	05 SEP 84	
1983-082E		14303	USSR	09 AUG	28 AUG 83	
1983-082F		14347	USSR	09 AUG	13 NOV 83	
1983-083A	COSMOS 1489	14256	USSR	10 AUG	23 SEP 83	
1983-083B		14257	USSR	10 AUG	14 AUG 83	
1983-083C		14263	USSR	10 AUG	11 AUG 83	
1983-083D		14371	USSR	10 AUG	24 SEP 83	
1983-084D		14261	USSR	10 AUG	11 AUG 83	
1983-084E		14262	USSR	10 AUG	12 AUG 83	
1983-085A	PROGRESS 17	14283	USSR	17 AUG	18 SEP 83	
1983-085B		14284	USSR	17 AUG	20 AUG 83	
1983-086A	PRC 13	14288	PRC	19 AUG	03 SEP 83	
1983-086B		14289	PRC	19 AUG	30 AUG 83	
1983-086C		14290	PRC	19 AUG	20 AUG 83	
1983-086D		14293	PRC	19 AUG	20 AUG 83	
1983-086E		14294	PRC	19 AUG	21 AUG 83	
1983-086F		14296	PRC	19 AUG	20 AUG 83	
1983-087A	COSMOS 1493	14299	USSR	23 AUG	06 SEP 83	
1983-087B		14300	USSR	23 AUG	31 AUG 83	
1983-087C		14304	USSR	23 AUG	30 AUG 83	
1983-087D		14322	USSR	23 AUG	18 SEP 83	
1983-087E		14323	USSR	23 AUG	06 DEC 83	
1983-087F		14324	USSR	23 AUG	10 OCT 84	
1983-087G		14325	USSR	23 AUG	29 OCT 83	
1983-087H		14513	USSR	23 AUG	15 DEC 83	
1983-088B		14308	USSR	25 AUG	28 AUG 83	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1983-088C		14309	USSR	25 AUG	26 AUG 83	
1983-088D		14310	USSR	25 AUG	06 JUL 84	
1983-088E		14311	USSR	25 AUG	27 OCT 86	
1983-089A	STS 8	14312	US	30 AUG	05 SEP 83	BT*
1983-090B		14314	USSR	30 AUG	12 SEP 83	
1983-090C		14315	USSR	30 AUG	19 SEP 83	
1983-091A		14316	USSR	31 AUG	26 SEP 85	
1983-091AA	COSMOS 1494	14753	USSR	31 AUG	08 APR 84	
1983-091AB		14754	USSR	31 AUG	10 APR 84	
1983-091AC		14755	USSR	31 AUG	10 APR 84	
1983-091B		14317	USSR	31 AUG	24 MAY 85	
1983-091C		14703	USSR	31 AUG	07 APR 84	
1983-091D		14704	USSR	31 AUG	06 MAY 84	
1983-091E		14705	USSR	31 AUG	05 APR 84	
1983-091F		14706	USSR	31 AUG	09 APR 84	
1983-091G		14707	USSR	31 AUG	07 APR 84	
1983-091H		14708	USSR	31 AUG	06 APR 84	
1983-091J		14709	USSR	31 AUG	09 APR 84	
1983-091K		14710	USSR	31 AUG	08 APR 84	
1983-091L		14711	USSR	31 AUG	09 APR 84	
1983-091M		14718	USSR	31 AUG	05 APR 84	
1983-091N		14719	USSR	31 AUG	06 APR 84	
1983-091P		14720	USSR	31 AUG	08 APR 84	
1983-091Q		14721	USSR	31 AUG	06 APR 84	
1983-091R		14744	USSR	31 AUG	04 APR 84	
1983-091S		14745	USSR	31 AUG	02 APR 84	
1983-091T		14746	USSR	31 AUG	04 APR 84	
1983-091U		14747	USSR	31 AUG	05 APR 84	
1983-091V		14748	USSR	31 AUG	06 APR 84	
1983-091W		14749	USSR	31 AUG	10 APR 84	
1983-091X		14750	USSR	31 AUG	06 APR 84	
1983-091Y		14751	USSR	31 AUG	05 APR 84	
1983-091Z		14752	USSR	31 AUG	06 APR 84	
1983-092A	COSMOS 1495	14320	USSR	03 SEP	09 APR 84	
1983-092B		14321	USSR	03 SEP	16 SEP 83	
1983-092C		14337	USSR	03 SEP	06 SEP 83	
1983-092D		14338	USSR	03 SEP	19 SEP 83	
1983-093A	COSMOS 1496	14326	USSR	03 SEP	22 SEP 83	
1983-093B		14327	USSR	07 SEP	19 OCT 83	
1983-094C		14332	US	07 SEP	11 SEP 83	
1983-095A	COSMOS 1497	14330	USSR	08 SEP	21 MAY 84	
1983-095B		14331	USSR	09 SEP	23 SEP 83	
1983-095C		14367	USSR	09 SEP	19 SEP 83	
1983-095D		14368	USSR	09 SEP	14 DEC 83	
1983-095E		14370	USSR	09 SEP	08 OCT 84	
1983-095F		14562	USSR	09 SEP	14 NOV 83	
1983-096A	COSMOS 1498	14334	USSR	09 SEP	27 DEC 83	
1983-096B		14335	USSR	14 SEP	29 SEP 83	
1983-096C		14336	USSR	14 SEP	19 SEP 83	
1983-096D		14374	USSR	14 SEP	16 OCT 83	
1983-096E		14375	USSR	14 SEP	04 OCT 83	
1983-096F		14376	USSR	14 SEP	05 OCT 83	
1983-097A	COSMOS 1499	14339	USSR	17 SEP	01 OCT 83	
1983-097B		14340	USSR	17 SEP	26 SEP 83	
1983-097C		14341	USSR	17 SEP	19 SEP 83	
1983-097D		14382	USSR	17 SEP	20 DEC 83	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1983-097E		14383	USSR	17 SEP	09 OCT 83	
1983-097F		14384	USSR	17 SEP	04 NOV 84	
1983-097G		14385	USSR	17 SEP	20 NOV 83	
1983-097H		14391	USSR	17 SEP	04 JAN 84	
1983-098B		14366	US	22 SEP	30 OCT 83	
1983-098C		14369	US	22 SEP	31 DEC 86	
1983-100B		14378	USSR	30 SEP	02 OCT 83	
1983-100C		14379	USSR	30 SEP	30 SEP 83	
1983-100D		14389	USSR	30 SEP	16 JUN 84	
1983-100E		14390	USSR	30 SEP	27 APR 84	
1983-101A	COSMOS 1501	14380	USSR	30 SEP	26 MAY 89	
1983-101AA		15864	USSR	30 SEP	26 FEB 86	
1983-101AB		15865	USSR	30 SEP	25 MAR 86	
1983-101B		14381	USSR	30 SEP	30 MAR 89	
1983-101C		14732	USSR	30 SEP	27 APR 84	
1983-101D		14733	USSR	30 SEP	28 APR 84	
1983-101E		14947	USSR	30 SEP	05 SEP 84	
1983-101F		14963	USSR	30 SEP	09 SEP 84	
1983-101G		15108	USSR	30 SEP	01 MAR 85	
1983-101H		15110	USSR	30 SEP	04 FEB 85	
1983-101J		15203	USSR	30 SEP	29 JUL 86	
1983-101K		15204	USSR	30 SEP	04 SEP 86	
1983-101L		15277	USSR	30 SEP	13 OCT 86	
1983-101M		15278	USSR	30 SEP	26 SEP 86	
1983-101N		15374	USSR	30 SEP	11 JUL 85	
1983-101P		15375	USSR	30 SEP	05 JUL 85	
1983-101Q		15425	USSR	30 SEP	01 FEB 87	
1983-101R		15426	USSR	30 SEP	07 JAN 87	
1983-101S		15512	USSR	30 SEP	06 OCT 85	
1983-101T		15513	USSR	30 SEP	03 JAN 86	
1983-101U		15586	USSR	30 SEP	23 DEC 85	
1983-101V		15587	USSR	30 SEP	20 NOV 85	
1983-101W		15588	USSR	30 SEP	20 DEC 85	
1983-101X		15594	USSR	30 SEP	02 NOV 85	
1983-101Y		15862	USSR	30 SEP	20 MAR 86	
1983-101Z		15863	USSR	30 SEP	05 MAR 86	
1983-102A	COSMOS 1502	14395	USSR	05 OCT	29 AUG 85	
1983-102B		14396	USSR	05 OCT	01 JUN 84	
1983-104A	COSMOS 1504	14403	USSR	14 OCT	06 DEC 83	
1983-104B		14404	USSR	14 OCT	17 OCT 83	
1983-105B		14423	ESA	19 OCT	04 MAY 87	
1983-106A	PROGRESS 18	14422	USSR	20 OCT	16 NOV 83	
1983-106B		14424	USSR	20 OCT	22 OCT 83	
1983-106C		14488	USSR	20 OCT	20 NOV 83	
1983-106D		14489	USSR	20 OCT	22 NOV 83	
1983-107A	COSMOS 1505	14425	USSR	21 OCT	04 NOV 83	
1983-107B		14426	USSR	21 OCT	30 OCT 83	
1983-107C		14481	USSR	21 OCT	09 DEC 84	
1983-107D		14482	USSR	21 OCT	03 JAN 84	
1983-107E		14560	USSR	21 OCT	01 FEB 84	
1983-107F		14561	USSR	21 OCT	26 FEB 84	
1983-107G		14674	USSR	21 OCT	01 FEB 84	
1983-110A	COSMOS 1507	14455	USSR	29 OCT	19 AUG 87	
1983-110B		14456	USSR	29 OCT	29 OCT 83	
1983-112A	COSMOS 1509	14490	USSR	17 NOV	01 DEC 83	
1983-112B		14498	USSR	17 NOV	22 NOV 83	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1983-112C		14535	USSR	17 NOV	27 DEC 83	
1983-112D		14536	USSR	17 NOV	05 DEC 83	
1983-112E		14539	USSR	17 NOV	03 DEC 83	
1983-112F		14540	USSR	17 NOV	07 DEC 83	
1983-112G		14541	USSR	17 NOV	02 DEC 83	
1983-113B		14553	US	18 NOV	02 SEP 91	
1983-113C		14554	US	18 NOV	02 OCT 91	
1983-113D		14609	US	18 NOV	19 JUN 92	
1983-114B		14517	USSR	23 NOV	15 DEC 83	
1983-114C		14518	USSR	23 NOV	10 DEC 83	
1983-116A		14523	US	23 NOV	08 DEC 83	
1983-117A	STS 9	14530	USSR	28 NOV	13 JAN 84	
1983-117B	COSMOS 1511	14531	USSR	30 NOV	05 DEC 83	
1983-118B		14533	USSR	30 NOV	02 DEC 83	
1983-118C		14534	USSR	30 NOV	01 DEC 83	
1983-118D		14537	USSR	30 NOV	10 MAY 86	
1983-118E		14538	USSR	30 NOV	23 SEP 88	
1983-119A		14542	USSR	07 DEC	21 DEC 83	
1983-119B		14543	USSR	07 DEC	17 DEC 83	
1983-119C		14544	USSR	07 DEC	09 DEC 83	
1983-119D		14545	USSR	07 DEC	16 FEB 84	
1983-119E		14573	USSR	07 DEC	30 DEC 83	
1983-119F		14574	USSR	07 DEC	28 APR 85	
1983-119G		14575	USSR	07 DEC	20 MAR 84	
1983-119H		14576	USSR	07 DEC	09 JUL 84	
1983-119J		14579	USSR	07 DEC	28 DEC 83	
1983-119K		14580	USSR	07 DEC	26 JUN 84	
1983-119L		14581	USSR	07 DEC	30 MAR 84	
1983-119M		14673	USSR	07 DEC	19 DEC 83	
1983-121A	COSMOS 1514	14549	USSR	14 DEC	19 DEC 83	
1983-121B		14550	USSR	14 DEC	14 FEB 84	
1983-123B		14571	USSR	21 DEC	04 FEB 84	
1983-123C		14572	USSR	21 DEC	09 FEB 84	
1983-124A	COSMOS 1516	14583	USSR	27 DEC	31 DEC 83	
1983-124B		14584	USSR	27 DEC	27 DEC 83	
1983-125A	COSMOS 1517	14585	USSR	27 DEC	29 DEC 83	
1983-125B		14586	USSR	27 DEC	08 FEB 84	
1983-126B		14588	USSR	28 DEC	04 FEB 84	
1983-126C		14589	USSR	28 DEC	31 DEC 83	
1983-127D		14593	USSR	29 DEC	29 DEC 83	
1983-127E		14594	USSR	29 DEC	18 AUG 92	
1983-127L		21860	USSR	29 DEC		
1984 LAUNCHES						
1984-002A		14622	USSR	11 JAN	25 JAN 84	
1984-002B		14623	USSR	11 JAN	25 JAN 84	
1984-002C	COSMOS 1530	14661	USSR	11 JAN	04 FEB 84	
1984-002D		14662	USSR	11 JAN	11 APR 84	
1984-002E		14663	USSR	11 JAN	16 MAR 84	
1984-002F		14664	USSR	11 JAN	26 MAR 84	
1984-002G		14929	USSR	11 JAN	21 JUN 85	
1984-004A	COSMOS 1532	14634	USSR	13 JAN	26 FEB 84	
1984-004B		14635	USSR	13 JAN	18 JAN 84	
1984-005B		14660	JAPAN	23 JAN	21 NOV 84	
1984-005C		14665	JAPAN	23 JAN	30 JUN 92	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1984-006A	COSMOS 1533	14666	USSR	26 JAN	09 FEB 84	
1984-006B		14667	USSR	26 JAN	13 FEB 84	
1984-006C		14712	USSR	26 JAN	05 MAY 84	
1984-006D		14713	USSR	26 JAN	11 APR 84	
1984-006E		14714	USSR	26 JAN	11 APR 84	
1984-006F	COSMOS 1534	14762	USSR	26 JAN	14 APR 84	
1984-007A		14668	USSR	26 JAN	20 SEP 90	
1984-007B		14669	USSR	26 JAN	30 JUN 89	
1984-008B		14671	USSR	26 JAN	08 FEB 84	
1984-008C		14672	PRC	29 JAN	15 FEB 84	
1984-008D	STS 41B WESTAR 6	14678	PRC	29 JAN	27 FEB 84	
1984-009B		14676	US	31 JAN	11 FEB 84	
1984-011A		14681	US	03 FEB	16 NOV 84	BT*
1984-011B		14688	US	03 FEB	09 FEB 84	CA*
1984-011J		14698	US	03 FEB	28 FEB 84	
1984-011K	IRT	14765	US	03 FEB	28 FEB 84	
1984-011L		14766	US	03 FEB	28 FEB 84	
1984-011M		14767	US	03 FEB	28 FEB 84	
1984-011N		14768	US	03 FEB	28 FEB 84	
1984-011P		14769	US	03 FEB	28 FEB 84	
1984-011Q		14770	US	03 FEB	28 FEB 84	
1984-011R		14771	US	03 FEB	28 FEB 84	
1984-011S		14772	US	03 FEB	28 FEB 84	
1984-011T		14773	US	03 FEB	28 FEB 84	
1984-011V		14970	US	03 FEB	16 JUL 87	
1984-011W		15556	US	03 FEB	24 APR 85	
1984-011X		15557	US	03 FEB	28 JUN 85	
1984-011C		14689	US	05 FEB	11 FEB 84	
1984-011G		14695	US	05 FEB	09 FEB 84	35*
1984-011H		14696	US	05 FEB	12 FEB 84	
1984-012E		14761	US	05 FEB	18 OCT 84	
1984-012G		14964	US	05 FEB	18 OCT 84	
1984-012H		14969	US	05 FEB	18 OCT 84	
1984-012M		19441	US	05 FEB	25 AUG 88	
1984-011D	PALAPA B2	14692	INDNSA	06 FEB	16 NOV 84	
1984-011U		14824	US	06 FEB	03 FEB 90	
1984-011Y		17839	US	06 FEB	12 APR 89	
1984-014A		14701	USSR	08 FEB	11 APR 84	
1984-014B		14702	USSR	08 FEB	10 FEB 84	
1984-014C	SOYUZ T-10	14916	USSR	08 FEB	26 MAY 84	
1984-014D		14917	USSR	08 FEB	15 MAY 84	
1984-014E		14918	USSR	08 FEB	20 MAY 84	
1984-014F		14722	USSR	08 FEB	19 JUL 89	
1984-015A		14723	JAPAN	14 FEB	20 APR 88	
1984-015B	OHZORA	14724	JAPAN	14 FEB	26 DEC 88	
1984-015C		17092	JAPAN	14 FEB	01 JAN 88	
1984-015D		17162	JAPAN	14 FEB	08 SEP 87	
1984-015E		19665	JAPAN	14 FEB	11 DEC 88	
1984-015F		14726	USSR	15 FEB	17 FEB 84	
1984-016B	COSMOS 1537	14727	USSR	15 FEB	15 FEB 84	
1984-016C		14742	USSR	15 FEB	10 MAR 87	
1984-016D		14743	USSR	15 FEB	27 OCT 86	
1984-016E		14737	USSR	16 FEB	01 MAR 84	
1984-017A		14738	USSR	16 FEB	23 FEB 84	
1984-017B		14774	USSR	16 FEB	02 MAR 84	
1984-017C		14775	USSR	16 FEB	18 MAR 84	
1984-017D						

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1984-017E		14776	USSR	16 FEB	02 MAR 84	
1984-017F		14777	USSR	16 FEB	08 MAR 84	
1984-017G		14778	USSR	16 FEB	25 MAY 84	
1984-017H		14779	USSR	16 FEB	04 MAR 84	
1984-018A	PROGRESS 19	14757	USSR	21 FEB	01 APR 84	
1984-018B		14758	USSR	21 FEB	23 FEB 84	
1984-020A		14763	USSR	28 FEB	09 APR 84	
1984-020B	COSMOS 1539	14764	USSR	28 FEB	03 MAR 84	
1984-020C		14901	USSR	28 FEB	10 APR 84	
1984-021C		14782	US	01 MAR	21 JAN 92	
1984-022B		14784	USSR	02 MAR	03 MAR 84	
1984-022C		14785	USSR	02 MAR	03 MAR 84	
1984-022D		14788	USSR	02 MAR	27 OCT 86	
1984-022E		14789	USSR	02 MAR	10 FEB 90	
1984-024B		14791	USSR	06 MAR	06 APR 84	
1984-024C		14792	USSR	06 MAR	31 MAR 84	
1984-025A	COSMOS 1542	14793	USSR	07 MAR	21 MAR 84	
1984-025B		14794	USSR	07 MAR	21 MAR 84	
1984-025C		14847	USSR	07 MAR	05 MAY 84	
1984-025D		14848	USSR	07 MAR	13 OCT 85	
1984-025E		14851	USSR	07 MAR	29 MAY 84	
1984-025F		14852	USSR	07 MAR	29 MAY 84	
1984-025G		14856	USSR	07 MAR	29 MAY 84	
1984-026A		14797	USSR	10 MAR	05 JUN 84	
1984-026B		14798	USSR	10 MAR	05 APR 84	
1984-028B		14822	USSR	10 MAR	27 MAR 84	
1984-028C		14823	USSR	16 MAR	18 MAR 84	
1984-028E		14829	USSR	16 MAR	17 MAR 84	
1984-029B		14826	USSR	16 MAR	27 OCT 86	
1984-029C		14827	USSR	16 MAR	26 APR 84	
1984-030A		14849	USSR	21 MAR	20 APR 84	
1984-030B	COSMOS 1545	14850	USSR	21 MAR	05 APR 84	
1984-030C		14855	USSR	21 MAR	29 MAR 84	
1984-030D		14889	USSR	21 MAR	29 MAR 84	
1984-030E		14890	USSR	21 MAR	15 APR 84	
1984-030F		14891	USSR	21 MAR	04 MAY 84	
1984-030G		14892	USSR	21 MAR	29 MAY 84	
1984-030H		14893	USSR	21 MAR	11 APR 84	
1984-030J		14895	USSR	21 MAR	08 APR 84	
1984-030K		14896	USSR	21 MAR	10 MAY 84	
1984-031B		14868	USSR	29 MAR	25 APR 84	
1984-031C		14869	USSR	29 MAR	31 MAR 84	
1984-031E		14888	USSR	29 MAR	29 MAR 84	
1984-032A		14872	USSR	03 APR	27 OCT 86	
1984-032B	SOYUZ T-11	14873	USSR	03 APR	02 OCT 84	
1984-032C		15345	USSR	03 APR	05 APR 84	
1984-032D		15346	USSR	03 APR	12 DEC 86	
1984-033B		14885	USSR	04 APR	05 DEC 84	
1984-033C		14886	USSR	04 APR	14 MAY 84	
1984-034A	STS 41C	14897	US	06 APR	01 MAY 84	
1984-034B	LDEF	14898	US	06 APR	13 APR 84	
1984-036A	COSMOS 1548	14902	USSR	10 APR	20 JAN 90	
1984-036B		14903	USSR	10 APR	25 MAY 84	
1984-036C		14991	USSR	10 APR	13 APR 84	
1984-036D		14992	USSR	10 APR	25 MAY 84	
1984-038A	PROGRESS 20	14932	USSR	15 APR	07 MAY 84	

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1984-038B		14933	USSR	15 APR	17 APR 84	
1984-039A		14935	US	17 APR	13 AUG 84	
1983-034L		14936	USSR	19 APR	05 SEP 84	
1983-034M		14937	USSR	19 APR	19 AUG 84	
1984-040A	COSMOS 1549	14938	USSR	19 APR	03 MAY 84	
1984-040B		14939	USSR	19 APR	28 APR 84	
1984-040C		14952	USSR	19 APR	29 AUG 84	
1984-040D		14953	USSR	19 APR	14 MAY 86	
1984-040E		14954	USSR	19 APR	23 JUN 84	
1984-040F		14955	USSR	19 APR	07 MAY 84	
1984-040G		14956	USSR	19 APR	13 OCT 84	
1984-041B		14941	USSR	22 APR	24 APR 84	
1984-041C		14942	USSR	22 APR	22 APR 84	
1984-041E		14944	USSR	22 APR	09 DEC 90	
1984-041F		14945	USSR	22 APR	27 OCT 86	
1984-042A	PROGRESS 21	14961	USSR	07 MAY	26 MAY 84	
1984-042B		14962	USSR	07 MAY	10 MAY 84	
1984-044A	COSMOS 1551	14967	USSR	11 MAY	23 MAY 84	
1984-044B		14968	USSR	11 MAY	17 MAY 84	
1984-044C		14986	USSR	11 MAY	24 MAY 84	
1984-044D		14987	USSR	11 MAY	25 MAY 84	
1984-044E		14988	USSR	11 MAY	31 MAY 84	
1984-044F		14990	USSR	11 MAY	27 MAY 84	
1984-045A	COSMOS 1552	14971	USSR	14 MAY	03 NOV 84	
1984-045B		14972	USSR	14 MAY	19 MAY 84	
1984-045C		15379	USSR	14 MAY	04 NOV 84	
1984-045D		15380	USSR	14 MAY	05 NOV 84	
1984-045E		15381	USSR	14 MAY	05 NOV 84	
1984-047D		14980	USSR	19 MAY	21 MAY 84	
1984-047E		14981	USSR	19 MAY	20 MAY 84	
1984-048A	COSMOS 1557	14982	USSR	22 MAY	04 JUN 84	
1984-048B		14983	USSR	22 MAY	26 MAY 84	
1984-048C		15023	USSR	22 MAY	11 JUN 84	
1984-048D		15024	USSR	22 MAY	06 JUN 84	
1984-048E		15025	USSR	22 MAY	06 JUN 84	
1984-048F		15026	USSR	22 MAY	06 JUN 84	
1984-049B		14989	ESA	23 MAY	17 MAR 86	
1984-050A	COSMOS 1558	14993	USSR	25 MAY	08 JUL 84	
1984-050B		14994	USSR	25 MAY	28 MAY 84	
1984-051A	PROGRESS 22	14996	USSR	28 MAY	15 JUL 84	
1984-051B		14997	USSR	28 MAY	30 MAY 84	
1984-053A	COSMOS 1567	15009	USSR	30 MAY	03 APR 88	
1984-053B		15010	USSR	30 MAY	31 MAY 84	
1984-054A	COSMOS 1568	15011	USSR	01 JUN	14 JUN 84	
1984-054B		15012	USSR	01 JUN	11 JUN 84	
1984-054C		15021	USSR	01 JUN	06 JUN 84	
1984-054D		15022	USSR	01 JUN	06 JUN 84	
1984-054E		15041	USSR	01 JUN	08 AUG 84	
1984-054F		15042	USSR	01 JUN	01 NOV 84	
1984-054G		15043	USSR	01 JUN	22 AUG 86	
1984-054H		15044	USSR	01 JUN	16 JUN 84	
1984-054J		15045	USSR	01 JUN	20 JUN 84	
1984-054K		15048	USSR	01 JUN	04 DEC 84	
1984-054L		15049	USSR	01 JUN	10 SEP 84	
1984-054M		15050	USSR	01 JUN	13 JUL 84	
1984-054N		15062	USSR	01 JUN	22 AUG 84	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1984-055B		15028	USSR	06 JUN	28 JUL 84	
1984-055C		15029	USSR	06 JUN	10 JUL 84	
1984-057A	INTELSAT V F9	15034	US	09 JUN	24 OCT 84	
1984-057B		15035	US	09 JUN	11 JUN 84	
1984-058A	COSMOS 1571	15036	USSR	11 JUN	26 JUN 84	
1984-058B		15037	USSR	11 JUN	24 JUN 84	
1984-058C		15038	USSR	11 JUN	16 JUN 84	
1984-058D		15065	USSR	11 JUN	20 OCT 84	
1984-058E		15066	USSR	11 JUN	25 NOV 84	
1984-058F		15067	USSR	11 JUN	17 APR 86	
1984-058G		15068	USSR	11 JUN	01 JUL 84	
1984-058H		15069	USSR	11 JUN	22 SEP 84	
1984-058J		15072	USSR	11 JUN	08 SEP 84	
1984-060A	COSMOS 1572	15046	USSR	15 JUN	29 JUN 84	
1984-060B		15047	USSR	15 JUN	22 JUN 84	
1984-060C		15087	USSR	15 JUN	30 JUL 84	
1984-060D		15088	USSR	15 JUN	09 JUL 84	
1984-060E		15089	USSR	15 JUN	13 JUL 84	
1984-061A	COSMOS 1573	15051	USSR	19 JUN	28 JUN 84	
1984-061B		15052	USSR	19 JUN	24 JUN 84	
1984-061C		15079	USSR	19 JUN	01 JUL 84	
1984-061D		15082	USSR	19 JUN	15 JUL 84	
1984-061E		15083	USSR	19 JUN	30 JUN 84	
1984-061F		15084	USSR	19 JUN	30 JUN 84	
1984-061G		15086	USSR	19 JUN	05 JUL 84	
1984-063B		15058	USSR	22 JUN	24 JUN 84	
1984-063C		15059	USSR	22 JUN	27 OCT 86	
1984-063D		15075	USSR	22 JUN	07 JUL 84	
1984-064A	COSMOS 1575	15060	USSR	22 JUN	28 JUN 84	
1984-064B		15061	USSR	22 JUN	10 AUG 84	
1984-064C		15101	USSR	22 JUN	18 JUL 84	
1984-064D		15102	USSR	22 JUN	12 JUL 84	
1984-064E		15103	USSR	22 JUN	20 JUL 84	
1984-064F		15104	USSR	22 JUN	18 OCT 84	
1984-065A		15063	US	25 JUN	27 JUN 84	
1984-065B		15064	US	25 JUN	24 AUG 84	
1984-066A	COSMOS 1576	15070	USSR	26 JUN	29 JUN 84	
1984-066B		15073	USSR	26 JUN	01 JUL 84	
1984-066C		15074	USSR	26 JUN	25 AUG 84	
1984-066D		15222	USSR	26 JUN	03 APR 90	
1984-068B		15081	USSR	28 JUN	30 SEP 84	
1984-069B		15327	USSR	29 JUN	05 NOV 84	
1984-069C		15328	USSR	29 JUN	13 JUL 84	
1984-070A	COSMOS 1580	15090	USSR	30 JUN	25 JUL 84	
1984-070B		15091	USSR	30 JUN	06 JUL 84	
1984-070C		15092	USSR	30 JUN	05 JUL 84	
1984-070D		15093	USSR	30 JUN	06 JUL 84	
1984-070E		15094	USSR	30 JUN	15 JUL 84	
1984-070F		15115	USSR	30 JUN	01 AUG 84	
1984-070G		15116	USSR	30 JUN	16 JUL 84	
1984-070H		15117	USSR	30 JUN	18 JUL 84	
1984-070J		15118	USSR	30 JUN	31 AUG 84	
1984-071B		15096	USSR	03 JUL	10 AUG 84	
1984-071C		15097	USSR	03 JUL	29 JUL 84	
1984-073A	SOYUZ T-12	15119	USSR	17 JUL	20 JUL 84	
1984-073B		15120	USSR	17 JUL		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAY	NOTES
			SOURCE			
1984-073C		15136	USSR	17 JUL	28 AUG 85	
1984-073D		15140	USSR	17 JUL	02 AUG 84	
1984-074A	COSMOS 1582	15121	USSR	19 JUL	02 AUG 84	
1984-074B		15122	USSR	19 JUL	27 JUL 84	
1984-074C		15150	USSR	19 JUL	09 SEP 84	
1984-074D		15151	USSR	19 JUL	14 AUG 84	
1984-074E		15154	USSR	19 JUL	15 AUG 84	
1984-074F		15155	USSR	19 JUL	18 AUG 84	
1984-075A	COSMOS 1583	15123	USSR	24 JUL	08 AUG 84	
1984-075B		15124	USSR	24 JUL	07 AUG 84	
1984-075C		15125	USSR	24 JUL	01 AUG 84	
1984-075D		15126	USSR	24 JUL	27 JUL 84	
1984-075E		15169	USSR	24 JUL	01 FEB 85	
1984-075F		15170	USSR	24 JUL	19 DEC 84	
1984-075G		15173	USSR	24 JUL	30 NOV 86	
1984-075H		15178	USSR	24 JUL	26 OCT 84	
1984-075J		15179	USSR	24 JUL	25 OCT 84	
1984-075K		15180	USSR	24 JUL	07 SEP 84	
1984-076A	COSMOS 1584	15131	USSR	27 JUL	10 AUG 84	
1984-076B		15132	USSR	27 JUL	29 JUL 84	
1984-076C		15185	USSR	27 JUL	25 AUG 84	
1984-076D		15186	USSR	27 JUL	13 AUG 84	
1984-076E		15187	USSR	27 JUL	11 AUG 84	
1984-076F		15191	USSR	27 JUL	14 AUG 84	
1984-077A	COSMOS 1585	15142	USSR	31 JUL	28 SEP 84	
1984-077B		15143	USSR	31 JUL	03 AUG 84	
1984-078B		15145	USSR	01 AUG	03 AUG 84	
1984-078C		15146	USSR	01 AUG	02 AUG 84	
1984-078D		15160	USSR	01 AUG	12 AUG 87	
1984-078E		15161	USSR	01 AUG	27 OCT 86	
1984-079B		15148	USSR	02 AUG	19 SEP 84	
1984-079C		15149	USSR	02 AUG	07 SEP 84	
1984-080B		15153	USSR	02 AUG	11 OCT 84	
1984-080D		15162	JAPAN	02 AUG	12 AUG 84	
1984-081C		15165	ESA	04 AUG	06 APR 90	
1984-082A	COSMOS 1587	15163	USSR	06 AUG	31 AUG 84	
1984-082B		15164	USSR	06 AUG	18 AUG 84	
1984-082C		15238	USSR	06 AUG	18 NOV 84	
1984-082D		15239	USSR	06 AUG	15 SEP 84	
1984-082E		15240	USSR	06 AUG	27 DEC 84	
1984-082F		15241	USSR	06 AUG	26 JAN 85	
1984-082G		15242	USSR	06 AUG	26 NOV 86	
1984-082H		15243	USSR	06 AUG	06 MAR 85	
1984-083A	COSMOS 1588	15167	USSR	07 AUG	17 FEB 88	
1984-083AA		16664	USSR	07 AUG	11 APR 86	
1984-083AB		16665	USSR	07 AUG	20 APR 86	
1984-083AC		16666	USSR	07 AUG	11 APR 86	
1984-083AD		16672	USSR	07 AUG	31 MAY 86	
1984-083AE		16673	USSR	07 AUG	18 APR 89	
1984-083AF		16674	USSR	07 AUG	20 APR 86	
1984-083AG		16675	USSR	07 AUG	06 JUN 86	
1984-083AH		16689	USSR	07 AUG	28 MAY 86	
1984-083AJ		16690	USSR	07 AUG	02 JUL 86	
1984-083AK		16691	USSR	07 AUG	21 MAY 86	
1984-083AL		16702	USSR	07 AUG	17 JUL 86	
1984-083AM		16703	USSR	07 AUG	02 AUG 86	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECEASED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1984-083AN		16704		USSR	07 AUG	30 JUN 86	
1984-083AP		16705		USSR	07 AUG	01 JUN 86	
1984-083AQ		16706		USSR	07 AUG	21 MAY 86	
1984-083AR		16707		USSR	07 AUG	13 JUN 86	
1984-083AS		16708		USSR	07 AUG	19 JUN 86	
1984-083AT		16709		USSR	07 AUG	16 JUL 86	
1984-083AU		16710		USSR	07 AUG	31 MAY 86	
1984-083AV		16711		USSR	07 AUG	23 MAY 86	
1984-083AW		16712		USSR	07 AUG	19 JUN 86	
1984-083AX		16713		USSR	07 AUG	13 MAY 86	
1984-083B		15168		USSR	07 AUG	08 AUG 84	
1984-083C		16617		USSR	07 AUG	13 JUL 86	
1984-083D		16626		USSR	07 AUG	27 MAR 86	
1984-083E		16627		USSR	07 AUG	11 OCT 86	
1984-083F		16628		USSR	07 AUG	08 MAR 86	
1984-083G		16629		USSR	07 AUG	04 APR 86	
1984-083H		16632		USSR	07 AUG	04 APR 86	
1984-083J		16633		USSR	07 AUG	30 MAY 88	
1984-083K		16634		USSR	07 AUG	29 APR 86	
1984-083L		16635		USSR	07 AUG	21 APR 86	
1984-083M		16636		USSR	07 AUG	24 APR 86	
1984-083N		16637		USSR	07 AUG	26 APR 86	
1984-083P		16638		USSR	07 AUG	17 MAY 86	
1984-083Q		16639		USSR	07 AUG	01 DEC 87	
1984-083R		16640		USSR	07 AUG	05 APR 86	
1984-083S		16641		USSR	07 AUG	31 MAR 86	
1984-083T		16642		USSR	07 AUG	04 APR 86	
1984-083U		16651		USSR	07 AUG	13 APR 86	
1984-083V		16652		USSR	07 AUG	13 MAY 86	
1984-083W		16653		USSR	07 AUG	20 APR 86	
1984-083X		16654		USSR	07 AUG	25 MAR 86	
1984-083Y		16655		USSR	07 AUG	08 JUL 86	
1984-083Z		16656		USSR	07 AUG	16 MAY 86	
1984-085B		15183		USSR	10 AUG	11 SEP 84	
1984-085C		15184		USSR	10 AUG	05 SEP 84	
1984-086A	PROGRESS 23	15193		USSR	14 AUG	28 AUG 84	
1984-086B		15194		USSR	16 AUG	17 AUG 84	
1984-087A	COSMOS 1590	15197		USSR	16 AUG	30 AUG 84	
1984-087B		15198		USSR	16 AUG	23 AUG 84	
1984-087C		15228		USSR	16 AUG	12 SEP 84	
1984-087D		15229		USSR	16 AUG	09 SEP 84	
1984-087E		15230		USSR	16 AUG	05 SEP 84	
1984-087F		15231		USSR	16 AUG	02 OCT 84	
1984-089B		15215		USSR	24 AUG	17 SEP 84	
1984-089C		15216		USSR	24 AUG	13 SEP 84	
1984-090B		15220		USSR	24 AUG	27 AUG 84	
1984-090C		15221		USSR	24 AUG	25 AUG 84	
1984-090D		15224		USSR	24 AUG	18 APR 85	
1984-090E		15225		USSR	24 AUG	27 OCT 86	
1984-092A	COSMOS 1591	15232		USSR	30 AUG	13 SEP 84	
1984-092B		15233		USSR	30 AUG	05 SEP 84	
1984-092C		15289		USSR	30 AUG	15 SEP 84	
1984-092D		15290		USSR	30 AUG	14 OCT 84	
1984-092E		15291		USSR	30 AUG	23 SEP 84	
1984-092F		15294		USSR	30 AUG	28 SEP 84	
1984-092G		15295		USSR	30 AUG	29 SEP 84	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1984-092H		15296	USSR	30 AUG	15 SEP 84	
1984-093A	STS 41D	15234	US	30 AUG	05 SEP 84	
1984-094A	COSMOS 1592	15257	USSR	04 SEP	18 SEP 84	BT*
1984-094B		15258	USSR	04 SEP	15 SEP 84	
1984-094C		15298	USSR	04 SEP	26 SEP 84	
1984-094D		15299	USSR	04 SEP	24 OCT 84	
1984-094E		15300	USSR	04 SEP	02 OCT 84	
1984-094F		15301	USSR	04 SEP	23 SEP 84	
1984-094G		15302	USSR	04 SEP	23 SEP 84	
1984-095D		15262	USSR	04 SEP	06 SEP 84	
1984-095E		15263	USSR	04 SEP	05 SEP 84	
1984-096B		15268	USSR	07 SEP	25 OCT 84	
1984-096C		15269	USSR	07 SEP	09 OCT 84	
1984-098A	PRC 16	15279	PRC	12 SEP	29 SEP 84	
1984-098B		15280	PRC	12 SEP	25 SEP 84	
1984-098C		15285	PRC	12 SEP	13 SEP 84	
1984-098D		15286	PRC	12 SEP	13 SEP 84	
1984-099A	COSMOS 1597	15287	USSR	13 SEP	26 SEP 84	
1984-099B		15288	USSR	13 SEP	19 SEP 84	
1984-099C		15320	USSR	13 SEP	04 OCT 84	
1984-099D		15321	USSR	13 SEP	27 SEP 84	
1984-099E		15322	USSR	13 SEP	29 SEP 84	
1984-099F		15323	USSR	13 SEP	28 SEP 84	
1984-101B		15309	US	21 SEP	19 NOV 84	
1984-101C		15310	US	21 SEP	12 JUN 85	
1984-102A	COSMOS 1599	15318	USSR	25 SEP	20 NOV 84	
1984-102B		15319	USSR	25 SEP	27 SEP 84	
1984-103A	COSMOS 1600	15324	USSR	27 SEP	11 OCT 84	
1984-103B		15325	USSR	27 SEP	14 OCT 84	
1984-103C		15356	USSR	27 SEP	29 OCT 86	
1984-103D		15357	USSR	27 SEP	23 MAR 85	
1984-103E		15358	USSR	27 SEP	01 MAY 85	
1984-103F		15361	USSR	27 SEP	17 DEC 84	
1984-103G		15364	USSR	27 SEP	08 JAN 85	
1984-103H		15373	USSR	27 SEP	26 OCT 84	
1984-104A	COSMOS 1601	15326	USSR	27 SEP	29 NOV 89	
1984-104AA		16069	USSR	27 SEP	08 MAY 88	
1984-104AB		16077	USSR	27 SEP	11 JUN 88	
1984-104AC		16109	USSR	27 SEP	13 APR 88	
1984-104AD		16954	USSR	27 SEP	06 AUG 88	
1984-104AE		16955	USSR	27 SEP	18 JUN 88	
1984-104AF		17161	USSR	27 SEP	15 MAY 88	
1984-104B		15329	USSR	27 SEP	09 SEP 89	
1984-104C		15564	USSR	27 SEP	14 NOV 85	
1984-104D		15565	USSR	27 SEP	11 NOV 85	
1984-104E		15566	USSR	27 SEP	15 DEC 85	
1984-104F		15567	USSR	27 SEP	20 DEC 85	
1984-104G		15607	USSR	27 SEP	22 MAR 88	
1984-104H		15608	USSR	27 SEP	03 MAR 88	
1984-104J		15980	USSR	27 SEP	25 MAY 88	
1984-104K		15981	USSR	27 SEP	20 MAR 88	
1984-104M		15984	USSR	27 SEP	04 MAY 88	
1984-104N		15985	USSR	27 SEP	03 APR 88	
1984-104P		15987	USSR	27 SEP	07 MAY 88	
1984-104Q		15988	USSR	27 SEP	20 MAY 88	
1984-104R		15989	USSR	27 SEP	17 MAR 88	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1984-104S		15990	USSR	27 SEP	21 APR 88	
1984-104T		15991	USSR	27 SEP	17 APR 88	
1984-104U		16003	USSR	27 SEP	06 MAY 88	
1984-104V		16004	USSR	27 SEP	30 MAR 88	
1984-104W		16005	USSR	27 SEP	26 MAR 88	
1984-104X		16006	USSR	27 SEP	15 APR 88	
1984-104Y		16067	USSR	27 SEP	17 MAR 88	
1984-104Z		16068	USSR	27 SEP	07 APR 88	
1984-106AA		22157	USSR	28 SEP	10 OCT 92	
1984-106AB		22158	USSR	28 SEP	20 NOV 92	
1984-106AC		22159	USSR	28 SEP	11 OCT 92	
1984-106AD		22160	USSR	28 SEP	13 OCT 92	
1984-106B		15334	USSR	28 SEP	06 JUL 85	
1984-106D		15336	USSR	28 SEP	01 OCT 84	
1984-106E		15337	USSR	28 SEP	29 SEP 84	
1984-106H		22140	USSR	28 SEP	06 DEC 92	
1984-106J		22141	USSR	28 SEP	11 OCT 92	
1984-106K		22142	USSR	28 SEP	10 OCT 92	
1984-106L		22143	USSR	28 SEP	11 OCT 92	
1984-106M		22144	USSR	28 SEP	19 OCT 92	
1984-106N		22145	USSR	28 SEP	05 NOV 92	
1984-106Q		22147	USSR	28 SEP	08 OCT 92	
1984-106R		22148	USSR	28 SEP	13 NOV 92	
1984-106S		22149	USSR	28 SEP	11 OCT 92	
1984-106T		22150	USSR	28 SEP	14 OCT 92	
1984-106U		22151	USSR	28 SEP	14 OCT 92	
1984-106V		22152	USSR	28 SEP	16 NOV 92	
1984-106W		22153	USSR	28 SEP	23 OCT 92	
1984-106X		22154	USSR	28 SEP	20 OCT 92	
1984-106Y		22155	USSR	28 SEP	22 OCT 92	
1984-106Z		22156	USSR	28 SEP	14 OCT 92	
1984-107B		15351	USSR	04 OCT	02 DEC 84	
1984-107C		15352	USSR	04 OCT	07 NOV 84	
1984-108A	STS 41G	15353	US	05 OCT	13 OCT 84	BT*
1984-110B		15363	US	12 OCT	26 JUL 88	
1984-110C		15371	US	12 OCT	20 SEP 87	
1984-110D		15372	US	12 OCT	04 JUL 87	
1984-112B		15502	USSR	31 OCT	28 MAR 85	
1984-112D		15504	USSR	31 OCT	01 OCT 85	
1984-112E		15507	USSR	31 OCT	07 FEB 85	
1984-112F		15508	USSR	31 OCT	03 JUL 85	
1984-112G		15511	USSR	31 OCT	05 MAR 85	
1984-113A	STS 51A	15382	US	08 NOV	16 NOV 84	BT*
1984-114D		15389	ESA	10 NOV	27 OCT 86	
1984-116A	COSMOS 1608	15393	USSR	14 NOV	17 DEC 84	
1984-116B		15394	USSR	14 NOV	17 NOV 84	
1984-116C		15397	USSR	14 NOV	16 NOV 84	
1984-117A	COSMOS 1609	15395	USSR	14 NOV	28 NOV 84	
1984-117B		15396	USSR	14 NOV	25 NOV 84	
1984-117C		15400	USSR	14 NOV	17 NOV 84	
1984-117D		15408	USSR	14 NOV	06 JUL 85	
1984-117E		15409	USSR	14 NOV	26 APR 87	
1984-117F		15410	USSR	14 NOV	01 MAY 85	
1984-117G		15411	USSR	14 NOV	01 DEC 84	
1984-117H		15412	USSR	14 NOV	02 APR 85	
1984-117J		15413	USSR	14 NOV	08 MAR 85	

DECAYED OBJECTS			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1984-117K		15418	USSR	14 NOV	30 DEC 84
1984-117L		15419	USSR	14 NOV	22 FEB 85
1984-117M		15421	USSR	14 NOV	11 DEC 84
1984-117N		15428	USSR	14 NOV	24 DEC 84
1984-119A	COSMOS 1611	15403	USSR	21 NOV	11 JAN 85
1984-119B		15404	USSR	21 NOV	25 NOV 84
1984-119C		15405	USSR	21 NOV	22 NOV 84
1984-120A	COSMOS 1612	15406	USSR	27 NOV	31 JAN 85
1984-120B		15407	USSR	27 NOV	02 DEC 84
1984-121A	COSMOS 1613	15414	USSR	29 NOV	24 DEC 84
1984-121B		15415	USSR	29 NOV	12 DEC 84
1984-121C		15416	USSR	29 NOV	06 DEC 84
1984-121D		15417	USSR	29 NOV	01 DEC 84
1984-121E		15456	USSR	29 NOV	05 MAY 87
1984-121F		15457	USSR	29 NOV	13 APR 85
1984-121G		15458	USSR	29 NOV	05 JUL 85
1984-121H		15459	USSR	29 NOV	05 OCT 85
1984-121J		15460	USSR	29 NOV	12 MAY 85
1984-121K		15461	USSR	29 NOV	11 JAN 85
1984-121L		15462	USSR	29 NOV	08 JAN 85
1984-121M		15463	USSR	29 NOV	21 JAN 85
1984-122B		15424	US	04 DEC	23 DEC 84
1984-123C		15441	US	12 DEC	13 NOV 92
1984-124B		15430	USSR	14 DEC	11 JAN 85
1984-124C		15431	USSR	14 DEC	20 JAN 85
1984-124D		15435	USSR	14 DEC	21 JAN 85
1984-124E		15436	USSR	14 DEC	12 JAN 85
1984-124F		15437	USSR	14 DEC	09 JAN 85
1984-124G		15438	USSR	14 DEC	20 DEC 84
1984-125B		15433	USSR	15 DEC	16 DEC 84
1984-125C		15434	USSR	15 DEC	16 DEC 84
1984-125E		15858	USSR	15 DEC	10 JUN 85
1984-125F	V1 DESCENT CRAFT	15859	USSR	15 DEC	10 JUN 85
1984-126A	VEGA 1 BALLOON	15442	USSR	19 DEC	19 DEC 84
1984-126B	COSMOS 1614	15443	USSR	19 DEC	21 DEC 84
1984-126C		15444	USSR	19 DEC	20 DEC 84
1984-126D		15445	USSR	19 DEC	20 DEC 84
1984-127A	COSMOS 1615	15446	USSR	20 DEC	15 APR 90
1984-127B		15448	USSR	20 DEC	09 APR 89
1984-128C		15451	USSR	21 DEC	23 DEC 84
1984-128D		15452	USSR	21 DEC	23 DEC 84
1984-128E	V2 DESCENT CRAFT	15856	USSR	21 DEC	14 JUN 85
1984-128F	VEGA 2 BALLOON	15857	USSR	21 DEC	14 JUN 85
1984-129C		15455	US	22 DEC	17 JAN 85
1985 LAUNCHES					
1985-001C		15466	JAPAN	07 JAN	22 MAY 85
1985-002A	COSMOS 1616	15467	USSR	09 JAN	04 MAR 85
1985-002B		15468	USSR	09 JAN	15 JAN 85
1985-004B		15477	USSR	16 JAN	27 MAR 85
1985-004C		15478	USSR	16 JAN	21 MAR 85
1985-005A	COSMOS 1623	15479	USSR	16 JAN	30 JAN 85
1985-005B		15480	USSR	16 JAN	05 FEB 85
1985-005C		15498	USSR	16 JAN	09 NOV 85
1985-005D		15499	USSR	16 JAN	31 MAR 87

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1985-027N		15658	USSR	03 APR	16 JUN 85	
1985-028A	STS 51D	15641	US	12 APR	19 APR 85	
1985-029A	COSMOS 1645	15645	USSR	16 APR	29 APR 85	
1985-029B		15646	USSR	16 APR	10 MAY 85	
1985-029C		15667	USSR	16 APR	23 JUN 85	
1985-029D		15668	USSR	16 APR	13 MAY 85	
1985-029E		15669	USSR	16 APR	04 JUN 85	
1985-029F		15670	USSR	16 APR	19 MAY 85	
1985-029G		15671	USSR	16 APR	01 MAY 85	
1985-030A		15653	USSR	18 APR	12 MAY 88	
1985-030AA		18799	USSR	18 APR	05 JUL 88	
1985-030B	COSMOS 1646	15654	USSR	18 APR	19 APR 85	
1985-030C		18619	USSR	18 APR	27 DEC 87	
1985-030D		18620	USSR	18 APR	25 MAR 88	
1985-030E		18621	USSR	18 APR	06 DEC 87	
1985-030F		18622	USSR	18 APR	06 JAN 88	
1985-030G		18623	USSR	18 APR	03 JAN 88	
1985-030H		18624	USSR	18 APR	08 DEC 87	
1985-030I		18628	USSR	18 APR	15 JAN 88	
1985-030J		18629	USSR	18 APR	15 JAN 88	
1985-030K		18630	USSR	18 APR	06 JAN 88	
1985-030L		18632	USSR	18 APR	30 DEC 87	
1985-030M		18652	USSR	18 APR	20 JAN 88	
1985-030N		18653	USSR	18 APR	02 APR 88	
1985-030P		18654	USSR	18 APR	24 AUG 88	
1985-030Q		18655	USSR	18 APR	31 DEC 87	
1985-030R		18656	USSR	18 APR	22 JAN 88	
1985-030S		18657	USSR	18 APR	09 FEB 88	
1985-030T		18658	USSR	18 APR	15 JAN 88	
1985-030U		18659	USSR	18 APR	28 DEC 87	
1985-030V		18660	USSR	18 APR	12 FEB 88	
1985-030W		18661	USSR	18 APR	02 JAN 88	
1985-030X		18662	USSR	18 APR	28 JUL 88	
1985-030Y		18663	USSR	18 APR	21 DEC 87	
1985-030Z		18664	USSR	18 APR	11 JUN 85	
1985-031A	COSMOS 1647	15655	USSR	19 APR	23 APR 85	
1985-031B		15656	USSR	19 APR	06 MAY 85	
1985-032A	COSMOS 1648	15659	USSR	25 APR	27 APR 85	
1985-032B		15660	USSR	25 APR	10 MAY 85	
1985-032C		15672	USSR	25 APR	15 MAY 85	
1985-032D		15673	USSR	25 APR	21 MAY 85	
1985-032E		15674	USSR	25 APR	11 MAY 85	
1985-032F		15675	USSR	25 APR	09 MAY 85	
1985-032G		15676	USSR	26 APR	20 JUN 85	
1985-033B		15662	USSR	26 APR	28 JUN 85	
1985-033C		15663	USSR	29 APR	06 MAY 85	
1985-034A	STS 51B	15665	US	29 APR	15 DEC 86	
1985-034B	NUSAT 1	15666	US	29 APR	29 MAY 85	
1985-036A	COSMOS 1649	15694	USSR	15 MAY	28 MAY 85	
1985-036B		15695	USSR	15 MAY	18 MAY 85	
1985-036C		15696	USSR	15 MAY	19 MAR 86	
1985-036D		15742	USSR	15 MAY	10 AUG 85	
1985-036E		15743	USSR	15 MAY	29 JUN 85	
1985-036F		15744	USSR	15 MAY	01 OCT 85	
1985-036G		15745	USSR	15 MAY	17 DEC 85	
1985-036H		15746	USSR	15 MAY	03 JUN 85	
1985-036J		15747	USSR	15 MAY		

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DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1985-036K		15753	USSR	15 MAY	14 JUN 85	
1985-036L		15754	USSR	15 MAY	26 OCT 87	
1985-036M		15765	USSR	15 MAY	17 JUN 85	
1985-037D		15700	USSR	17 MAY	20 MAY 85	
1985-037E		15701	USSR	17 MAY	18 MAY 85	
1985-038A		15732	USSR	22 MAY	05 JUN 85	
1985-038B		15733	USSR	22 MAY	02 JUN 85	
1985-038C		15790	USSR	22 MAY	26 JUN 85	
1985-038D		15791	USSR	22 MAY	06 JUN 85	
1985-038E		15792	USSR	22 MAY	13 JUL 85	
1985-038F		15793	USSR	22 MAY	18 JUN 85	
1985-038G		15794	USSR	22 MAY	06 JUN 85	
1985-039A		15734	USSR	23 MAY	07 AUG 85	
1985-039B		15735	USSR	23 MAY	29 MAY 85	
1985-039C		15851	USSR	23 MAY	14 AUG 85	
1985-039D		15853	USSR	23 MAY	27 JUN 85	
1985-039E		15893	USSR	23 MAY	23 JUN 85	
1985-039F		15894	USSR	23 MAY	23 JUN 85	
1985-039G		15895	USSR	23 MAY	23 JUN 85	
1985-039H		15896	USSR	23 MAY	24 JUN 85	
1985-039I		15897	USSR	23 MAY	24 JUN 85	
1985-039J		15898	USSR	23 MAY	25 JUN 85	
1985-039K		15899	USSR	23 MAY	25 JUN 85	
1985-039L		15900	USSR	23 MAY	27 JUN 85	
1985-039M		15901	USSR	23 MAY	28 JUN 85	
1985-039N		15902	USSR	23 MAY	29 JUN 85	
1985-039P		15903	USSR	23 MAY	30 JUN 85	
1985-039Q		15904	USSR	23 MAY	06 JUL 85	
1985-039R		15905	USSR	23 MAY	04 JUL 85	
1985-039S		15739	USSR	29 MAY	25 JUN 85	
1985-039T		15740	USSR	29 MAY	17 JUN 85	
1985-040A		15748	USSR	29 MAY	31 MAY 85	
1985-040B		15749	USSR	29 MAY	01 JUN 85	
1985-040C		15750	USSR	29 MAY	23 JUN 85	
1985-040D		15755	USSR	29 MAY	03 JUN 85	
1985-040E		15770	USSR	30 MAY	31 MAY 85	
1985-040F		15771	USSR	30 MAY	26 SEP 85	
1985-040G		15804	USSR	06 JUN	08 JUN 85	
1985-040H		15805	USSR	06 JUN	21 JAN 86	
1985-040I		16097	USSR	06 JUN	18 AUG 85	
1985-040J		15854	USSR	07 JUN	07 JUL 85	
1985-040K		15855	USSR	07 JUN	21 JUN 85	
1985-040L		15806	USSR	07 JUN	11 JUN 85	
1985-040M		15807	USSR	07 JUN	29 JUN 85	
1985-040N		15843	USSR	07 JUN	03 JUL 85	
1985-040O		15844	USSR	07 JUN	12 JUL 85	
1985-040P		15848	USSR	07 JUN	24 JUN 85	
1985-040Q		15849	USSR	07 JUN	18 AUG 85	
1985-040R		15852	USSR	07 JUN	30 JUL 85	
1985-040S		15809	USSR	11 JUN	24 AUG 85	
1985-040T		15810	USSR	11 JUN	27 JUN 85	
1985-040U		15818	USSR	13 JUN	29 JUN 85	
1985-040V		15819	USSR	13 JUN	15 JUN 85	
1985-040W		15820	USSR	13 JUN	23 OCT 85	
1985-040X		15867	USSR	13 JUN	11 NOV 87	
1985-040Y		15868	USSR	13 JUN		
1985-041A						
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1985-046A						
1985-046B						
1985-046C						
1985-046D						
1985-046E						

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1985-046F		15869	USSR	13 JUN	25 DEC 85	
1985-046G		15870	USSR	13 JUN	27 NOV 85	
1985-046H		15871	USSR	13 JUN	30 MAR 86	
1985-046J		15872	USSR	13 JUN	14 JUL 85	
1985-048A	STS 51G	15823	US	17 JUN	24 JUN 85	
1985-049B		15828	USSR	18 JUN	01 SEP 85	
1985-049C		15829	USSR	18 JUN	28 SEP 85	
1985-050A		15833	USSR	19 JUN	16 NOV 89	CD*
1985-050AA	COSMOS 1662	17060	USSR	19 JUN	12 JUN 88	
1985-050AB		17137	USSR	19 JUN	27 OCT 87	
1985-050AC		17158	USSR	19 JUN	29 OCT 87	
1985-050AD		17818	USSR	19 JUN	25 JUL 88	
1985-050AE		17819	USSR	19 JUN	12 JUL 88	
1985-050B		15834	USSR	19 JUN	10 OCT 89	
1985-050C		15835	USSR	19 JUN	26 OCT 86	
1985-050D		16008	USSR	19 JUN	15 NOV 86	
1985-050E		16009	USSR	19 JUN	03 NOV 86	
1985-050F		16010	USSR	19 JUN	28 NOV 86	
1985-050G		16014	USSR	19 JUN	22 DEC 86	
1985-050H		16015	USSR	19 JUN	16 OCT 86	
1985-050J		16016	USSR	19 JUN	09 OCT 86	
1985-050K		16017	USSR	19 JUN	19 JAN 87	
1985-050L		16256	USSR	19 JUN	25 MAR 87	
1985-050M		16257	USSR	19 JUN	01 DEC 86	
1985-050N		16605	USSR	19 JUN	04 MAY 87	
1985-050P		16606	USSR	19 JUN	27 APR 87	
1985-050Q		16607	USSR	19 JUN	07 MAY 87	
1985-050R		16608	USSR	19 JUN	08 APR 87	
1985-050S		16956	USSR	19 JUN	07 OCT 87	
1985-050T		16957	USSR	19 JUN	15 SEP 87	
1985-050U		16958	USSR	19 JUN	09 SEP 87	
1985-050V		16959	USSR	19 JUN	26 MAY 88	
1985-050W		16960	USSR	19 JUN	09 SEP 87	
1985-050X		16980	USSR	19 JUN	12 SEP 87	
1985-050Y		16981	USSR	19 JUN	29 SEP 87	
1985-050Z		17059	USSR	19 JUN	20 JUN 88	
1985-048E	SPARTAN 1	15831	US	20 JUN	24 JUN 85	
1985-051A	PROGRESS 24	15838	USSR	21 JUN	15 JUL 85	
1985-051B		15839	USSR	21 JUN	24 JUN 85	
1985-052A	COSMOS 1663	15840	USSR	21 JUN	05 JUL 85	
1985-052B		15841	USSR	21 JUN	30 JUN 85	
1985-052C		15845	USSR	21 JUN	24 JUN 85	
1985-052D		15846	USSR	21 JUN	24 JUN 85	
1985-052E		15880	USSR	21 JUN	18 AUG 85	
1985-052F		15881	USSR	21 JUN	19 JUL 85	
1985-052G		15882	USSR	21 JUN	06 JUL 85	
1985-052H		15883	USSR	21 JUN	27 JUL 85	
1985-052J		15884	USSR	21 JUN	16 JUL 85	
1985-053A		15842	USSR	21 JUN	28 JUN 85	
1985-053B		15847	USSR	21 JUN	24 JUN 85	
1985-053C		15850	USSR	21 JUN	27 JUN 85	
1985-054A	COSMOS 1664	15861	USSR	26 JUN	05 JUL 85	
1985-054B		15860	USSR	26 JUN	10 JUL 85	
1985-054C		15866	USSR	26 JUN	30 JUN 85	
1985-054D		15885	USSR	26 JUN	16 JUL 85	
1985-054E		15886	USSR	26 JUN	20 JUL 85	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1985-054F		15887	USSR	26 JUN	07 JUL 85	
1985-054G		15888	USSR	26 JUN	08 JUL 85	
1985-057A	COSMOS 1665	15877	USSR	03 JUL	17 JUL 85	
1985-057B		15878	USSR	03 JUL	10 JUL 85	
1985-057C		15879	USSR	03 JUL	25 AUG 85	
1985-057D		15912	USSR	03 JUL	04 AUG 85	
1985-057E		15913	USSR	03 JUL	25 JUL 85	
1985-057F		15914	USSR	03 JUL	22 JUL 85	
1985-057G		15915	USSR	03 JUL	02 SEP 85	
1985-057H		15917	USSR	03 JUL	25 JUL 85	
1985-059A	COSMOS 1667	15891	USSR	10 JUL	17 JUL 85	
1985-059B		15892	USSR	10 JUL	19 JUL 85	
1985-059C		15920	USSR	10 JUL	27 JUL 85	
1985-060A	COSMOS 1668	15906	USSR	15 JUL	29 JUL 85	
1985-060B		15907	USSR	15 JUL	24 JUL 85	
1985-060C		15908	USSR	15 JUL	16 JUL 85	
1985-060D		15921	USSR	15 JUL	03 SEP 85	
1985-060E		15922	USSR	15 JUL	04 AUG 85	
1985-060F		15923	USSR	15 JUL	02 AUG 85	
1985-060G		15924	USSR	15 JUL	01 AUG 85	
1985-060H		15926	USSR	15 JUL	09 AUG 85	
1985-060J		15927	USSR	15 JUL	31 JUL 85	
1985-061B		15928	USSR	15 JUL	02 AUG 85	
1985-061C		15910	USSR	17 JUL	22 AUG 85	
1985-062A	COSMOS 1669	15911	USSR	17 JUL	23 AUG 85	
1985-062B		15918	USSR	19 JUL	30 AUG 85	
1985-063A	STS 51F	15919	USSR	19 JUL	23 JUL 85	
1985-063B	PDP	15925	US	29 JUL	06 AUG 85	
1985-064B		15929	US	29 JUL	06 AUG 85	
1985-064C		16195	USSR	01 AUG	27 OCT 85	
1985-064D		16196	USSR	01 AUG	08 DEC 85	
1985-064E		16213	USSR	01 AUG	22 FEB 88	
1985-065A	COSMOS 1671	18506	USSR	01 AUG	28 SEP 88	
1985-065B		15931	USSR	02 AUG	16 AUG 85	
1985-065C		15932	USSR	02 AUG	10 AUG 85	
1985-065D		15961	USSR	02 AUG	10 SEP 85	
1985-065E		15962	USSR	02 AUG	15 SEP 85	
1985-065F		15964	USSR	02 AUG	03 SEP 85	
1985-065G		15965	USSR	02 AUG	21 AUG 85	
1985-067A	COSMOS 1672	15966	USSR	02 AUG	25 AUG 85	
1985-067B		15940	USSR	07 AUG	21 AUG 85	
1985-067C		15941	USSR	07 AUG	11 AUG 85	
1985-067D		15971	USSR	07 AUG	28 AUG 85	
1985-067E		15972	USSR	07 AUG	15 OCT 85	
1985-067F		15973	USSR	07 AUG	15 SEP 85	
1985-067G		15974	USSR	07 AUG	03 SEP 85	
1985-067H		15975	USSR	07 AUG	22 AUG 85	
1985-068A	COSMOS 1673	15976	USSR	07 AUG	24 AUG 85	
1985-068B		15942	USSR	08 AUG	19 SEP 85	
1985-068C		15943	USSR	08 AUG	14 AUG 85	
1985-070B		15949	USSR	08 AUG	10 AUG 85	
1985-070C		15947	USSR	08 AUG	11 AUG 85	
1985-070D		15948	USSR	08 AUG	09 AUG 85	
1985-070E		15956	USSR	08 AUG	31 DEC 86	
1985-071B		15957	USSR	08 AUG	27 OCT 86	
		15953	USSR	12 AUG	23 OCT 85	

DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY				
1985-071C		15954	USSR	12 AUG	27 SEP 85				
1985-071E		15958	USSR	12 AUG	01 OCT 85				
1985-071F		16061	USSR	12 AUG	30 SEP 85				
1985-072A	COSMOS 1676	15959	USSR	16 AUG	14 OCT 85				
1985-072B		15960	USSR	16 AUG	22 AUG 85				
1985-073B		15968	JAPAN	18 AUG	13 NOV 85				
1985-073D		16388	JAPAN	18 AUG	22 MAY 86				
1985-074B		15978	USSR	22 AUG	04 NOV 85				
1985-074C		15979	USSR	22 AUG	22 OCT 85				
1985-075B		16192	USSR	23 AUG	14 DEC 85				
1985-075C		16193	USSR	23 AUG	27 OCT 85				
1985-075D		16219	USSR	23 AUG	28 NOV 85				
1985-076A	STS 51I	15992	US	27 AUG	03 SEP 85				
1985-076H		16013	US	27 AUG	28 FEB 86				
1985-077A	COSMOS 1678	15997	USSR	29 AUG	12 SEP 85				
1985-077B		15998	USSR	29 AUG	02 SEP 85				
1985-077C		16002	USSR	29 AUG	06 SEP 85				
1985-077D		16021	USSR	29 AUG	15 SEP 85				
1985-077E		16022	USSR	29 AUG	03 OCT 85				
1985-077F		16023	USSR	29 AUG	25 OCT 85				
1985-077G		16024	USSR	29 AUG	14 SEP 85				
1985-077H		16025	USSR	29 AUG	14 SEP 85				
1985-077J		16026	USSR	29 AUG	27 SEP 85				
1985-078A	COSMOS 1679	15999	USSR	29 AUG	18 OCT 85				
1985-078B		16000	USSR	29 AUG	04 SEP 85				
1985-080A	COSMOS 1681	16018	USSR	06 SEP	19 SEP 85				
1985-080B		16019	USSR	06 SEP	10 SEP 85				
1985-080C		16058	USSR	06 SEP	23 SEP 85				
1985-080E		16060	USSR	06 SEP	20 SEP 85				
1985-080D		16059	USSR	16 SEP	26 SEP 85				
1985-081A	SOYUZ T-14	16051	USSR	17 SEP	21 NOV 85				
1985-081B		16052	USSR	17 SEP	20 SEP 85				
1985-081C		16261	USSR	17 SEP	29 DEC 86				
1985-082A	COSMOS 1682	16054	USSR	19 SEP	17 MAY 88				
1985-082B		16055	USSR	19 SEP	19 SEP 85				
1985-082C		17248	USSR	19 SEP	27 DEC 86				
1985-082D		17249	USSR	19 SEP	29 DEC 86				
1985-082E		17250	USSR	19 SEP	13 JAN 87				
1985-082F		17251	USSR	19 SEP	13 JAN 87				
1985-082G		17275	USSR	19 SEP	01 MAR 87				
1985-082H		17277	USSR	19 SEP	19 MAY 87				
1985-082J		17278	USSR	19 SEP	11 MAR 87				
1985-082K		17279	USSR	19 SEP	11 MAY 87				
1985-082L		17280	USSR	19 SEP	27 APR 87				
1985-082N		17282	USSR	19 SEP	12 MAR 87				
1985-082P		17283	USSR	19 SEP	13 JUL 87				
1985-082Q		17284	USSR	19 SEP	07 JAN 87				
1985-082R		17285	USSR	19 SEP	01 MAR 87				
1985-082S		17286	USSR	19 SEP	07 MAR 87				
1985-082T		17287	USSR	19 SEP	08 MAR 87				
1985-082U		17288	USSR	19 SEP	21 JAN 87				
1985-082V		17289	USSR	19 SEP	19 JUL 87				
1985-082W		17840	USSR	19 SEP	11 AUG 87				
1985-082X		17841	USSR	19 SEP	19 APR 88				
1985-082Y		18280	USSR	19 SEP	31 MAY 88				
1985-082Z		18430	USSR	19 SEP	12 OCT 88				

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAY	NOTES
			SOURCE			
1985-083A	COSMOS 1683	16056	USSR	19 SEP	04 OCT 85	
1985-083B		16057	USSR	19 SEP	03 OCT 85	
1985-083C		16120	USSR	19 SEP	28 MAR 86	
1985-083D		16121	USSR	19 SEP	26 DEC 87	
1985-083E		16123	USSR	19 SEP	24 DEC 85	
1985-083F		16124	USSR	19 SEP	22 MAY 86	
1985-083G		16126	USSR	19 SEP	24 OCT 85	
1985-083H		16127	USSR	19 SEP	04 MAR 86	
1985-084B		16065	USSR	19 SEP	21 NOV 85	
1985-084C		16066	USSR	24 SEP	25 OCT 85	
1985-084E		16090	USSR	24 SEP	16 NOV 85	
1985-085A	COSMOS 1685	16088	USSR	27 SEP	10 OCT 85	
1985-085B		16089	USSR	27 SEP	08 OCT 85	
1985-085C		16134	USSR	27 SEP	08 FEB 86	
1985-085D		16135	USSR	27 SEP	24 NOV 87	
1985-085E		16136	USSR	27 SEP	23 DEC 85	
1985-085F		16145	USSR	27 SEP	30 APR 86	
1985-085G		16146	USSR	27 SEP	15 APR 86	
1985-085H		16159	USSR	27 SEP	24 FEB 86	
1985-085I		16160	USSR	27 SEP	16 OCT 86	
1985-085J		16161	USSR	27 SEP	18 OCT 85	
1985-085K		16162	USSR	27 SEP	07 NOV 85	
1985-085L		16095	USSR	27 SEP	02 FEB 91	
1985-086A	COSMOS 1686	16096	USSR	27 SEP	02 OCT 85	
1985-086B		16128	USSR	27 SEP	01 FEB 86	
1985-086C		16104	USSR	30 SEP	28 NOV 85	
1985-088B		16105	USSR	30 SEP	03 NOV 85	
1985-089A	COSMOS 1688	16107	USSR	02 OCT	02 JUL 88	
1985-089B		16108	USSR	02 OCT	19 JUN 88	
1985-091B		16113	USSR	03 OCT	15 DEC 85	
1985-091C		16114	USSR	03 OCT	16 NOV 85	
1985-092A	STS 51J	16115	US	03 OCT	07 OCT 85	
1985-094H		16264	USSR	09 OCT	23 MAR 90	
1985-094J		16265	USSR	09 OCT	13 NOV 89	
1985-095A	COSMOS 1696	16169	USSR	16 OCT	30 OCT 85	
1985-095B		16170	USSR	16 OCT	23 OCT 85	
1985-095C		16227	USSR	16 OCT	07 NOV 85	
1985-095D		16228	USSR	16 OCT	01 DEC 85	
1985-095E		16232	USSR	16 OCT	07 NOV 85	
1985-095F		16233	USSR	16 OCT	07 NOV 85	
1985-095G		16234	USSR	16 OCT	03 NOV 85	
1985-096A	PRC 17	16177	PRC	21 OCT	07 NOV 85	
1985-096B		16178	PRC	21 OCT	03 NOV 85	
1985-096C		16179	PRC	21 OCT	24 OCT 85	
1985-096D		16180	PRC	21 OCT	24 OCT 85	
1985-098B		16184	USSR	22 OCT	07 JAN 86	
1985-098C		16185	USSR	22 OCT	14 DEC 85	
1985-099B		16188	USSR	23 OCT	24 MAR 86	
1985-099C		16189	USSR	23 OCT	21 MAR 86	
1985-099D		16190	USSR	23 OCT	12 FEB 86	
1985-101A	COSMOS 1699	16198	USSR	25 OCT	23 DEC 85	
1985-101B		16212	USSR	25 OCT	30 OCT 85	
1985-102B		16200	USSR	25 OCT	28 OCT 85	
1985-102C		16201	USSR	25 OCT	26 OCT 85	
1985-102E		16215	USSR	25 OCT	27 OCT 85	
1985-102F		16216	USSR	25 OCT	18 MAY	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1985-103B	STS 61A GLOMAR	16221	USSR	28 OCT	04 DEC 85	35*
1985-103C		16222	USSR	28 OCT	18 NOV 85	
1985-103E		16224	USSR	28 OCT	20 NOV 85	
1985-103F		16225	USSR	28 OCT	29 NOV 85	
1985-103G		16226	USSR	28 OCT	01 DEC 85	
1985-104A		16230	US	30 OCT	06 NOV 85	
1985-104B		16231	US	30 OCT	26 DEC 86	
1985-105B		16236	USSR	09 NOV	11 JAN 86	
1985-105C		16237	USSR	09 NOV	24 DEC 85	
1985-106A		16247	USSR	13 NOV	27 NOV 85	
1985-106B	COSMOS 1702	16248	USSR	13 NOV	31 MAY 86	35*
1985-106C		16285	USSR	13 NOV	28 NOV 85	
1985-106D		16286	USSR	13 NOV	13 JAN 88	
1985-106E		16287	USSR	13 NOV	13 DEC 85	
1985-106F		16288	USSR	13 NOV	10 AUG 86	
1985-106G		16289	USSR	13 NOV	07 APR 86	
1985-106H		16290	USSR	13 NOV	19 MAR 86	
1985-107B		16251	USSR	15 NOV	18 NOV 85	
1985-107C		16252	USSR	15 NOV	16 NOV 85	
1985-107D		16254	USSR	15 NOV	27 OCT 86	
1985-107E	STS 61B OEX TARGET COSMOS 1705	16255	USSR	15 NOV	19 JUL 86	35*
1985-109A		16273	US	27 NOV	03 DEC 85	
1985-109E		16277	US	30 NOV	02 MAR 87	
1985-111A		16296	USSR	03 DEC	17 DEC 85	
1985-111B		16297	USSR	03 DEC	19 DEC 85	
1985-111C		16305	USSR	03 DEC	06 DEC 85	
1985-111D		16353	USSR	03 DEC	08 JAN 86	
1985-111E		16354	USSR	03 DEC	10 JAN 86	
1985-111F		16355	USSR	03 DEC	07 MAR 86	
1985-111G		16356	USSR	03 DEC	04 APR 86	
1985-111H	COSMOS 1706	16357	USSR	03 DEC	13 OCT 86	35*
1985-111J		16358	USSR	03 DEC	22 DEC 85	
1985-111K		16359	USSR	03 DEC	12 JAN 86	
1985-111L		16370	USSR	03 DEC	02 JUL 86	
1985-111M		16371	USSR	03 DEC	24 JAN 86	
1985-111N		16372	USSR	03 DEC	14 JAN 86	
1985-111P		16373	USSR	03 DEC	15 FEB 88	
1985-111Q		16374	USSR	03 DEC	22 FEB 86	
1985-112A		16306	USSR	11 DEC	09 FEB 86	
1985-112B		16307	USSR	11 DEC	16 DEC 85	
1985-114A	COSMOS 1708	16328	US	13 DEC	11 MAY 89	35*
1985-114B		16329	US	13 DEC	09 AUG 87	
1985-114C		16330	US	13 DEC	11 APR 88	
1985-114D		17247	US	13 DEC	02 MAR 87	
1985-114E		17257	US	13 DEC	23 FEB 87	
1985-115A		16331	USSR	13 DEC	27 DEC 85	
1985-115B		16332	USSR	13 DEC	17 DEC 85	
1985-115D		16340	USSR	13 DEC	22 DEC 85	
1985-115E		16426	USSR	13 DEC	30 DEC 85	
1985-115F		16427	USSR	13 DEC	29 JAN 86	
1985-115G	COSMOS 1708	16428	USSR	13 DEC	28 DEC 85	35*
1985-115H		16431	USSR	13 DEC	04 JAN 86	
1985-115J		16432	USSR	13 DEC	15 JAN 86	
1985-117B		16433	USSR	24 DEC	07 JAN 86	
1985-117C		16394	USSR	24 DEC	30 JAN 86	
1985-117D		16395	USSR	24 DEC	21 JAN 86	

DECAYED OBJECTS			LAUNCH			NOTES		
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY			
1985-117D		16400	USSR	24 DEC	16 JAN 86			
1985-117E		16401	USSR	24 DEC	20 JAN 86			
1985-117G		16410	USSR	24 DEC	19 JAN 86			
1985-117H		16411	USSR	24 DEC	17 JAN 86			
1985-117J		16412	USSR	24 DEC	22 JAN 86			
1985-118D		16399	USSR	24 DEC	27 DEC 85			
1985-118E		16403	USSR	24 DEC	25 DEC 85			
1985-118G		16405	USSR	24 DEC	27 DEC 85			
1985-118H		16406	USSR	24 DEC	27 DEC 85			
1985-118J		16407	USSR	24 DEC	28 DEC 85			
1985-120A	COSMOS 1713	16429	USSR	27 DEC	22 JAN 86			
1985-120B		16430	USSR	27 DEC	27 JAN 86			
1985-120C		16508	USSR	27 DEC	27 JAN 86			
1985-120D		16509	USSR	27 DEC	30 JAN 86			
1985-121A	COSMOS 1714	16434	USSR	28 DEC	03 FEB 86			
1985-121B		16435	USSR	28 DEC	27 FEB 86			
1985-121C		16436	USSR	28 DEC	11 JAN 86			
1985-121D		16437	USSR	28 DEC	08 JAN 86			
1985-121E		16438	USSR	28 DEC	08 JUL 90			
1985-121F		16439	USSR	28 DEC	22 APR 90			
1985-121G		16440	USSR	28 DEC	04 APR 90			
1986-001A		16447	USSR	08 JAN	22 JAN 86			
1986-001B	COSMOS 1715	16448	USSR	08 JAN	16 JAN 86			
1986-001C		16505	USSR	08 JAN	25 JAN 86			
1986-001D		16506	USSR	08 JAN	27 JAN 86			
1986-001E		16507	USSR	08 JAN	31 JAN 86			
1986-003A	STS 61C	16481	US	12 JAN	18 JAN 86			
1986-004A	COSMOS 1724	16490	USSR	15 JAN	15 MAR 86			
1986-004B		16491	USSR	15 JAN	21 JAN 86			
1986-004C		16492	USSR	15 JAN	16 JAN 86			
1986-007B		16498	USSR	17 JAN	20 JAN 86			
1986-007C		16499	USSR	17 JAN	18 JAN 86			
1986-007D		16500	USSR	17 JAN	12 AUG 87			
1986-009A	COSMOS 1728	16512	USSR	28 JAN	11 FEB 86			
1986-009B		16513	USSR	28 JAN	06 FEB 86			
1986-009C		16514	USSR	28 JAN	31 JAN 86			
1986-009D		16595	USSR	28 JAN	26 FEB 86			
1986-009E		16596	USSR	28 JAN	18 FEB 86			
1986-009F		16599	USSR	28 JAN	15 FEB 86			
1986-011B		16529	USSR	28 JAN	10 MAR 86			
1986-011C		16530	USSR	01 FEB	24 MAR 86			
1986-011D		16531	USSR	01 FEB	31 MAR 86			
1986-011E		16532	USSR	01 FEB	13 MAR 86			
1986-012A		16540	USSR	04 FEB	13 FEB 86			
1986-012B	COSMOS 1730	16541	USSR	04 FEB	11 FEB 86			
1986-012C		16602	USSR	04 FEB	17 MAR 86			
1986-012D		16603	USSR	04 FEB	22 FEB 86			
1986-012E		16604	USSR	04 FEB	02 MAR 86			
1986-013A	COSMOS 1731	16589	USSR	07 FEB	03 OCT 86			
1986-013B		16590	USSR	07 FEB	09 FEB 86			
1986-016B		16598	JAPAN	12 FEB	19 FEB 86			
1986-016D		16601	JAPAN	12 FEB	22 FEB 86			
1986-017AA		19584	USSR	19 FEB	05 NOV 88			

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1986-017AB		19585	USSR	19 FEB	26 NOV 88	
1986-017AC		19586	USSR	19 FEB	08 NOV 88	
1986-017AD		19587	USSR	19 FEB	04 NOV 88	
1986-017AE		19588	USSR	19 FEB	05 NOV 88	
1986-017AF		19604	USSR	19 FEB	10 NOV 88	
1986-017AG		19605	USSR	19 FEB	06 NOV 88	
1986-017AH		19606	USSR	19 FEB	05 JAN 89	
1986-017AJ		19607	USSR	19 FEB	22 FEB 89	
1986-017AK		19618	USSR	19 FEB	07 DEC 88	
1986-017AL		19619	USSR	19 FEB	08 DEC 88	
1986-017AM		19620	USSR	19 FEB	06 NOV 88	
1986-017AN		19624	USSR	19 FEB	06 NOV 88	
1986-017AP		19632	USSR	19 FEB	23 DEC 88	
1986-017AQ		19633	USSR	19 FEB	18 DEC 88	
1986-017AR		19634	USSR	19 FEB	25 DEC 88	
1986-017AS		19635	USSR	19 FEB	03 DEC 88	
1986-017AT		19636	USSR	19 FEB	22 DEC 88	
1986-017AU		19680	USSR	19 FEB	28 DEC 88	
1986-017AV		19681	USSR	19 FEB	23 DEC 88	
1986-017AW		19682	USSR	19 FEB	19 DEC 88	
1986-017AX		19692	USSR	19 FEB	24 DEC 88	
1986-017AY		19693	USSR	19 FEB	19 JAN 89	
1986-017AZ		19700	USSR	19 FEB	24 FEB 86	
1986-017B		16610	USSR	19 FEB	28 DEC 88	
1986-017BA		19701	USSR	19 FEB	27 JAN 89	
1986-017BB		19702	USSR	19 FEB	22 DEC 88	
1986-017BC		19703	USSR	19 FEB	28 FEB 89	
1986-017BD		19704	USSR	19 FEB	23 JAN 89	
1986-017BE		19707	USSR	19 FEB	20 JAN 89	
1986-017BF		19708	USSR	19 FEB	22 FEB 89	
1986-017BG		19736	USSR	19 FEB	01 FEB 89	
1986-017BH		19737	USSR	19 FEB	22 JAN 89	
1986-017BJ		19738	USSR	19 FEB	17 JAN 89	
1986-017BK		19739	USSR	19 FEB	03 MAR 89	
1986-017BL		19740	USSR	19 FEB	25 JAN 89	
1986-017BM		19741	USSR	19 FEB	22 MAR 89	
1986-017BN		19743	USSR	19 FEB	05 MAR 89	
1986-017BP		19744	USSR	19 FEB	05 MAR 89	
1986-017BQ		19745	USSR	19 FEB	05 MAR 89	
1986-017BR		19746	USSR	19 FEB	11 FEB 89	
1986-017BS		19747	USSR	19 FEB	06 MAR 89	
1986-017BT		19816	USSR	19 FEB	24 JAN 90	
1986-017BU		20414	USSR	19 FEB	15 MAR 90	
1986-017BV		20415	USSR	19 FEB	04 MAR 90	
1986-017BW		20416	USSR	19 FEB	07 FEB 90	
1986-017BX		20417	USSR	19 FEB	27 JUN 90	
1986-017BY		20407	USSR	19 FEB	04 MAR 90	
1986-017BZ		20418	USSR	19 FEB	07 MAY 87	
1986-017C		17820	USSR	19 FEB	01 MAR 90	
1986-017CA		20419	USSR	19 FEB	11 FEB 90	
1986-017CB		20420	USSR	19 FEB	08 FEB 90	
1986-017CD		20459	USSR	19 FEB	08 MAR 90	
1986-017CE		20460	USSR	19 FEB	28 JAN 90	
1986-017CF		20461	USSR	19 FEB	03 FEB 90	
1986-017CG		20472	USSR	19 FEB	07 FEB 90	
1986-017CH		20475	USSR	19 FEB		

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECEASED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1986-017CJ		20689		USSR	19 FEB	27 SEP 90	
1986-017CK		20690		USSR	19 FEB	03 AUG 90	
1986-017CL		20699		USSR	19 FEB	21 AUG 90	
1986-017CM		20700		USSR	19 FEB	21 AUG 90	
1986-017CN		20701		USSR	19 FEB	03 AUG 90	
1986-017CP		20719		USSR	19 FEB	19 SEP 90	
1986-017CQ		20917		USSR	19 FEB	31 OCT 90	
1986-017CR		20921		USSR	19 FEB	09 NOV 90	
1986-017CS		20922		USSR	19 FEB	08 NOV 90	
1986-017CT		21050		USSR	19 FEB	04 FEB 91	
1986-017CU		21051		USSR	19 FEB	05 FEB 91	
1986-017CV		21082		USSR	19 FEB	18 MAR 91	
1986-017CW		21084		USSR	19 FEB	05 MAR 91	
1986-017CX		21085		USSR	19 FEB	01 MAR 91	
1986-017CY		21086		USSR	19 FEB	24 FEB 91	
1986-017CZ		21235		USSR	19 FEB	25 AUG 91	
1986-017D		17821		USSR	19 FEB	06 MAY 87	
1986-017DA		21236		USSR	19 FEB	24 JUN 91	
1986-017DB		21237		USSR	19 FEB	15 JUN 91	
1986-017DC		21238		USSR	19 FEB	07 JUN 91	
1986-017DD		21239		USSR	19 FEB	25 JUN 91	
1986-017DE		21240		USSR	19 FEB	11 NOV 91	
1986-017DF		21241		USSR	19 FEB	09 JUN 91	
1986-017DG		21243		USSR	19 FEB	07 JUN 91	
1986-017DJ		21409		USSR	19 FEB	24 JUL 91	
1986-017DL		21411		USSR	19 FEB	24 AUG 91	
1986-017DM		21412		USSR	19 FEB	11 AUG 91	
1986-017DN		21413		USSR	19 FEB	28 AUG 91	
1986-017DP		21414		USSR	19 FEB	20 OCT 91	
1986-017DQ		21415		USSR	19 FEB	02 SEP 91	
1986-017DR		21416		USSR	19 FEB	14 AUG 91	
1986-017DS		21417		USSR	19 FEB	30 OCT 91	
1986-017DT		21421		USSR	19 FEB	08 AUG 91	
1986-017DU		21424		USSR	19 FEB	12 AUG 91	
1986-017DX		21476		USSR	19 FEB	19 AUG 91	
1986-017DY		21477		USSR	19 FEB	16 DEC 91	
1986-017DZ		21478		USSR	19 FEB	08 MAR 88	
1986-017E		18885		USSR	19 FEB	07 JAN 92	
1986-017EA		21482		USSR	19 FEB	13 SEP 91	
1986-017EB		21483		USSR	19 FEB	12 JUL 91	
1986-017EC		21484		USSR	19 FEB	05 AUG 91	
1986-017ED		21486		USSR	19 FEB	06 JUL 91	
1986-017EE		21487		USSR	19 FEB	11 APR 92	
1986-017EF		21488		USSR	19 FEB	23 SEP 91	
1986-017EG		21489		USSR	19 FEB	15 SEP 91	
1986-017EH		21490		USSR	19 FEB	05 APR 92	
1986-017EJ		21526		USSR	19 FEB	01 SEP 91	
1986-017EK		21530		USSR	19 FEB	20 SEP 91	
1986-017EL		21531		USSR	19 FEB	14 AUG 91	
1986-017EM		21556		USSR	19 FEB	27 AUG 91	
1986-017EN		21557		USSR	19 FEB	06 SEP 91	
1986-017EP		21571		USSR	19 FEB	27 AUG 91	
1986-017EQ		21572		USSR	19 FEB	28 AUG 91	
1986-017ER		21573		USSR	19 FEB		
1986-017ES		21579		USSR	19 FEB		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAY	NOTES
			SOURCE			
1986-017ET		21595	USSR	19 FEB	07 SEP 91	
1986-017EU		21596	USSR	19 FEB	31 AUG 91	
1986-017EV		21603	USSR	19 FEB	05 OCT 91	
1986-017EW		21618	USSR	19 FEB	15 AUG 91	
1986-017EX		21619	USSR	19 FEB	18 DEC 91	
1986-017EY		21624	USSR	19 FEB	19 AUG 91	
1986-017EZ		21625	USSR	19 FEB	06 DEC 91	
1986-017F		18886	USSR	19 FEB	21 MAR 88	
1986-017FA		21626	USSR	19 FEB	03 OCT 91	
1986-017FB		21627	USSR	19 FEB	03 DEC 91	
1986-017FC		21628	USSR	19 FEB	07 OCT 91	
1986-017FD		21629	USSR	19 FEB	30 SEP 91	
1986-017FE		21649	USSR	19 FEB	29 AUG 91	
1986-017FF		21650	USSR	19 FEB	13 AUG 91	
1986-017FG		21651	USSR	19 FEB	12 AUG 91	
1986-017FH		21652	USSR	19 FEB	21 AUG 91	
1986-017FI		21661	USSR	19 FEB	29 AUG 91	
1986-017FJ		21810	USSR	19 FEB	28 FEB 92	
1986-017FK		21811	USSR	19 FEB	17 JUN 92	
1986-017FL		21830	USSR	19 FEB	01 JUL 92	
1986-017FN		21831	USSR	19 FEB	17 JUN 92	
1986-017FP		21832	USSR	19 FEB	04 JUN 92	
1986-017FQ		21879	USSR	19 FEB	25 MAR 92	
1986-017FR		21880	USSR	19 FEB	22 MAR 92	
1986-017FS		21881	USSR	19 FEB	29 MAR 92	
1986-017FT		21883	USSR	19 FEB	25 FEB 92	
1986-017FV		21885	USSR	19 FEB	21 APR 92	
1986-017FX		21886	USSR	19 FEB	26 MAR 92	
1986-017FY		21887	USSR	19 FEB	29 JUN 92	
1986-017FZ		18887	USSR	19 FEB	02 MAR 88	
1986-017G		21888	USSR	19 FEB	04 APR 92	
1986-017GA		21889	USSR	19 FEB	09 JUN 92	
1986-017GB		21896	USSR	19 FEB	17 MAY 92	
1986-017GC		21901	USSR	19 FEB	10 MAY 92	
1986-017GD		22023	USSR	19 FEB	12 DEC 92	
1986-017GE		22046	USSR	19 FEB	19 OCT 92	
1986-017GH		22107	USSR	19 FEB	10 DEC 92	
1986-017GK		22111	USSR	19 FEB	23 SEP 92	
1986-017GL		22122	USSR	19 FEB	02 DEC 92	
1986-017GN		22124	USSR	19 FEB	03 NOV 92	
1986-017GQ		22129	USSR	19 FEB	17 NOV 92	
1986-017GT		22130	USSR	19 FEB	01 NOV 92	
1986-017GU		22131	USSR	19 FEB	12 NOV 92	
1986-017GV		22228	USSR	19 FEB	08 DEC 92	
1986-017GY		18889	USSR	19 FEB	05 MAR 88	
1986-017H		19271	USSR	19 FEB	10 AUG 88	
1986-017J		19272	USSR	19 FEB	25 AUG 88	
1986-017K		19387	USSR	19 FEB	24 SEP 88	
1986-017M		19408	USSR	19 FEB	16 OCT 88	
1986-017N		19409	USSR	19 FEB	31 OCT 88	
1986-017P		19442	USSR	19 FEB	05 OCT 88	
1986-017Q		19533	USSR	19 FEB	02 OCT 88	
1986-017R		19536	USSR	19 FEB	09 NOV 88	
1986-017S		19538	USSR	19 FEB	17 OCT 88	
1986-017T		19539	USSR	19 FEB	01 OCT 88	
1986-017U		19540	USSR	19 FEB	23 OCT 88	
1986-017V						

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1986-017W		19568		USSR	19 FEB	22 OCT 88	
1986-017X		19569		USSR	19 FEB	22 OCT 88	
1986-017Y		19570		USSR	19 FEB	20 OCT 88	
1986-017Z		19571		USSR	19 FEB	17 AUG 88	
1988-070C		19388		USSR	19 FEB	28 DEC 88	
1986-019AB		17132		ESA	22 FEB	04 SEP 88	
1986-019AC		17133		ESA	22 FEB	12 JUN 90	
1986-019AD		17150		ESA	22 FEB	04 MAY 89	
1986-019AE		17151		ESA	22 FEB	07 DEC 89	
1986-019AK		17156		ESA	22 FEB	16 DEC 88	
1986-019AL		17157		ESA	22 FEB	08 NOV 89	
1986-019AM		17183		ESA	22 FEB	11 MAR 89	
1986-019AP		17185		ESA	22 FEB	28 DEC 88	
1986-019AQ		17186		ESA	22 FEB	23 JAN 89	
1986-019AR		17187		ESA	22 FEB	11 NOV 88	
1986-019AS		17188		ESA	22 FEB	20 FEB 89	
1986-019AU		17190		ESA	22 FEB	22 MAR 89	
1986-019AV		17193		ESA	22 FEB	16 FEB 89	
1986-019AW		17194		ESA	22 FEB	16 JAN 89	
1986-019AY		17196		ESA	22 FEB	21 FEB 89	
1986-019AZ		17197		ESA	22 FEB	09 JUL 91	
1986-019BC		17200		ESA	22 FEB	04 MAR 89	
1986-019BE		17202		ESA	22 FEB	27 MAR 89	
1986-019BH		17205		ESA	22 FEB	14 JAN 89	
1986-019BK		17207		ESA	22 FEB	29 APR 91	
1986-019BM		17209		ESA	22 FEB	27 FEB 89	
1986-019BN		17210		ESA	22 FEB	21 APR 89	
1986-019BP		17211		ESA	22 FEB	23 SEP 88	
1986-019BS		17220		ESA	22 FEB	19 JUN 89	
1986-019BT		17221		ESA	22 FEB	25 MAY 90	
1986-019BU		17222		ESA	22 FEB	16 MAR 92	
1986-019BV		17223		ESA	22 FEB	18 MAR 89	
1986-019BW		17224		ESA	22 FEB	16 JAN 88	
1986-019BX		17225		ESA	22 FEB	09 DEC 89	
1986-019BY		17226		ESA	22 FEB	14 FEB 89	
1986-019BZ		17227		ESA	22 FEB	13 SEP 91	
1986-019CA		17228		ESA	22 FEB	03 JUN 89	
1986-019CB		17229		ESA	22 FEB	06 SEP 89	
1986-019CC		17230		ESA	22 FEB	25 SEP 88	
1986-019CD		17231		ESA	22 FEB	27 OCT 88	
1986-019CE		17232		ESA	22 FEB	10 AUG 88	
1986-019CG		17234		ESA	22 FEB	20 AUG 89	
1986-019CJ		17236		ESA	22 FEB	09 NOV 89	
1986-019CK		17237		ESA	22 FEB	21 DEC 88	
1986-019CL		17238		ESA	22 FEB	31 MAR 90	
1986-019CM		17305		ESA	22 FEB	24 SEP 88	
1986-019CN		17306		ESA	22 FEB	06 MAR 92	
1986-019CP		17307		ESA	22 FEB	27 NOV 89	
1986-019CQ		17308		ESA	22 FEB	15 JUN 89	
1986-019CR		17309		ESA	22 FEB	08 APR 89	
1986-019CS		17310		ESA	22 FEB	19 OCT 89	
1986-019CU		17312		ESA	22 FEB	06 JAN 92	
1986-019CW		17314		ESA	22 FEB	23 JAN 92	
1986-019CX		17315		ESA	22 FEB	20 JUN 87	
1986-019CZ		17317		ESA	22 FEB	28 OCT 87	
1986-019DA		17318		ESA	22 FEB		

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1986-019DB		17319	ESA	22 FEB	09 NOV 88	
1986-019DC		17320	ESA	22 FEB	19 FEB 89	
1986-019DD		17321	ESA	22 FEB	01 AUG 89	
1986-019DE		17322	ESA	22 FEB	26 OCT 88	
1986-019DH		17336	ESA	22 FEB	10 NOV 89	
1986-019DJ		17337	ESA	22 FEB	06 MAR 89	
1986-019DK		17338	ESA	22 FEB	27 SEP 89	
1986-019DL		17339	ESA	22 FEB	20 APR 90	
1986-019DM		17340	ESA	22 FEB	04 NOV 88	
1986-019DN		17341	ESA	22 FEB	01 JAN 91	
1986-019DQ		17343	ESA	22 FEB	27 DEC 91	
1986-019DR		17344	ESA	22 FEB	19 JAN 89	
1986-019DS		17345	ESA	22 FEB	16 APR 89	
1986-019DT		17346	ESA	22 FEB	11 MAY 89	
1986-019DU		17347	ESA	22 FEB	15 NOV 87	
1986-019DV		17348	ESA	22 FEB	12 OCT 88	
1986-019DW		17349	ESA	22 FEB	13 FEB 89	
1986-019DX		17350	ESA	22 FEB	25 FEB 90	
1986-019DY		17351	ESA	22 FEB	28 FEB 90	
1986-019EB		17354	ESA	22 FEB	17 FEB 89	
1986-019EC		17355	ESA	22 FEB	03 DEC 89	
1986-019ED		17371	ESA	22 FEB	09 JAN 89	
1986-019EE		17372	ESA	22 FEB	27 JAN 89	
1986-019EF		17373	ESA	22 FEB	01 JAN 89	
1986-019EG		17374	ESA	22 FEB	05 JAN 90	
1986-019EH		17375	ESA	22 FEB	09 DEC 88	
1986-019EJ		17376	ESA	22 FEB	24 AUG 90	
1986-019EK		17377	ESA	22 FEB	15 FEB 88	
1986-019EL		17378	ESA	22 FEB	09 APR 89	
1986-019EM		17379	ESA	22 FEB	04 DEC 90	
1986-019EN		17380	ESA	22 FEB	10 SEP 90	
1986-019EP		17381	ESA	22 FEB	05 OCT 88	
1986-019EQ		17382	ESA	22 FEB	19 DEC 89	
1986-019ER		17383	ESA	22 FEB	08 MAR 89	
1986-019ES		17384	ESA	22 FEB	16 FEB 89	
1986-019ET		17385	ESA	22 FEB	24 APR 89	
1986-019EU		17386	ESA	22 FEB	01 MAR 89	
1986-019EV		17387	ESA	22 FEB	05 MAR 89	
1986-019EW		17388	ESA	22 FEB	26 SEP 88	
1986-019EX		17389	ESA	22 FEB	05 OCT 88	
1986-019EY		17390	ESA	22 FEB	10 NOV 89	
1986-019EZ		17391	ESA	22 FEB	09 JUL 89	
1986-019F		17111	ESA	22 FEB	07 JAN 89	
1986-019FA		17392	ESA	22 FEB	13 MAY 92	
1986-019FB		17393	ESA	22 FEB	29 DEC 88	
1986-019FC		17394	ESA	22 FEB	19 DEC 88	
1986-019FD		17395	ESA	22 FEB	17 JAN 89	
1986-019FE		17396	ESA	22 FEB	16 APR 89	
1986-019FF		17397	ESA	22 FEB	14 APR 89	
1986-019FG		17421	ESA	22 FEB	10 FEB 89	
1986-019FH		17422	ESA	22 FEB	23 JUL 88	
1986-019FK		17424	ESA	22 FEB	25 NOV 89	
1986-019FL		17425	ESA	22 FEB	02 FEB 89	
1986-019FN		17427	ESA	22 FEB	26 DEC 89	
1986-019FR		17430	ESA	22 FEB	10 AUG 88	
1986-019FS		17431	ESA	22 FEB	25 MAR 89	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1986-019FT		17432	ESA	22 FEB	13 MAR 88	
1986-019FU		17433	ESA	22 FEB	20 AUG 89	
1986-019FV		17434	ESA	22 FEB	01 APR 89	
1986-019FW		17435	ESA	22 FEB	31 DEC 89	
1986-019FX		17436	ESA	22 FEB	06 FEB 89	
1986-019FY		17437	ESA	22 FEB	19 OCT 88	
1986-019G		17112	ESA	22 FEB	14 NOV 90	
1986-019GA		17439	ESA	22 FEB	10 APR 89	
1986-019GB		17440	ESA	22 FEB	29 OCT 87	
1986-019GC		17441	ESA	22 FEB	10 NOV 88	
1986-019GD		17442	ESA	22 FEB	05 DEC 89	
1986-019GE		17443	ESA	22 FEB	15 NOV 89	
1986-019GF		17444	ESA	22 FEB	03 FEB 91	
1986-019GG		17445	ESA	22 FEB	24 JUL 90	
1986-019GH		17446	ESA	22 FEB	20 OCT 89	
1986-019GJ		17447	ESA	22 FEB	20 JUL 88	
1986-019GK		17448	ESA	22 FEB	09 SEP 88	
1986-019GL		17449	ESA	22 FEB	17 JUN 89	
1986-019GM		17450	ESA	22 FEB	18 AUG 89	
1986-019GN		17451	ESA	22 FEB	19 NOV 89	
1986-019GP		17452	ESA	22 FEB	27 FEB 89	
1986-019GQ		17453	ESA	22 FEB	18 JAN 89	
1986-019GR		17454	ESA	22 FEB	12 JUN 89	
1986-019GS		17455	ESA	22 FEB	20 JUL 91	
1986-019GT		17456	ESA	22 FEB	23 DEC 88	
1986-019GU		17457	ESA	22 FEB	19 MAY 90	
1986-019GV		17458	ESA	22 FEB	29 SEP 90	
1986-019GX		17460	ESA	22 FEB	16 MAR 89	
1986-019GY		17461	ESA	22 FEB	17 NOV 90	
1986-019GZ		17462	ESA	22 FEB	15 OCT 88	
1986-019H		17113	ESA	22 FEB	26 AUG 88	
1986-019HA		17463	ESA	22 FEB	20 OCT 88	
1986-019HB		17464	ESA	22 FEB	22 APR 90	
1986-019HC		17465	ESA	22 FEB	12 JAN 90	
1986-019HE		17467	ESA	22 FEB	19 SEP 88	
1986-019HF		17468	ESA	22 FEB	07 NOV 88	
1986-019HG		17469	ESA	22 FEB	31 JAN 89	
1986-019HH		17470	ESA	22 FEB	16 OCT 88	
1986-019HK		17472	ESA	22 FEB	29 APR 91	
1986-019HL		17473	ESA	22 FEB	26 NOV 89	
1986-019HM		17474	ESA	22 FEB	26 OCT 88	
1986-019HN		17475	ESA	22 FEB	02 DEC 88	
1986-019HP		17476	ESA	22 FEB	26 AUG 89	
1986-019HQ		17477	ESA	22 FEB	13 JUL 89	
1986-019HS		17479	ESA	22 FEB	16 JUL 89	
1986-019HT		17539	ESA	22 FEB	20 JUL 89	
1986-019HU		17540	ESA	22 FEB	20 DEC 90	
1986-019HV		17541	ESA	22 FEB	19 OCT 88	
1986-019HW		17542	ESA	22 FEB	14 DEC 88	
1986-019HY		17544	ESA	22 FEB	13 MAR 89	
1986-019HZ		17545	ESA	22 FEB	13 DEC 89	
1986-019J		17114	ESA	22 FEB	05 APR 89	
1986-019JA		17546	ESA	22 FEB	21 JUL 89	
1986-019JB		17547	ESA	22 FEB	15 DEC 89	
1986-019JC		17548	ESA	22 FEB	15 FEB 89	
1986-019JD		17549	ESA	22 FEB	23 APR 89	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1986-019JE		17550	ESA	22 FEB	09 OCT 88	
1986-019JG		17552	ESA	22 FEB	07 SEP 89	
1986-019JH		17553	ESA	22 FEB	17 MAR 90	
1986-019JJ		17554	ESA	22 FEB	22 OCT 89	
1986-019JM		17557	ESA	22 FEB	22 DEC 90	
1986-019JN		17558	ESA	22 FEB	31 AUG 88	
1986-019JP		17574	ESA	22 FEB	02 MAR 91	
1986-019JQ		17575	ESA	22 FEB	12 JAN 89	
1986-019JR		17576	ESA	22 FEB	13 NOV 88	
1986-019JS		17591	ESA	22 FEB	07 AUG 89	
1986-019JT		17592	ESA	22 FEB	28 APR 91	
1986-019JU		17593	ESA	22 FEB	15 FEB 91	
1986-019JV		17594	ESA	22 FEB	19 MAY 89	
1986-019JW		17595	ESA	22 FEB	20 JAN 90	
1986-019JX		17596	ESA	22 FEB	15 JAN 89	
1986-019JY		17597	ESA	22 FEB	26 APR 89	
1986-019JZ		17598	ESA	22 FEB	13 JUL 88	
1986-019KA		17115	ESA	22 FEB	17 JAN 89	
1986-019KB		17599	ESA	22 FEB	14 MAR 89	
1986-019KC		17600	ESA	22 FEB	21 OCT 88	
1986-019KD		17601	ESA	22 FEB	26 FEB 89	
1986-019KE		17602	ESA	22 FEB	08 APR 89	
1986-019KG		17603	ESA	22 FEB	07 FEB 90	
1986-019KH		17605	ESA	22 FEB	02 FEB 89	
1986-019KJ		17606	ESA	22 FEB	23 MAY 89	
1986-019KL		17607	ESA	22 FEB	30 OCT 89	
1986-019KM		17609	ESA	22 FEB	16 FEB 89	
1986-019KN		17610	ESA	22 FEB	19 SEP 88	
1986-019KQ		17672	ESA	22 FEB	25 FEB 91	
1986-019KR		17673	ESA	22 FEB	02 MAY 88	
1986-019KS		17674	ESA	22 FEB	19 SEP 88	
1986-019KT		17675	ESA	22 FEB	02 MAR 89	
1986-019KU		17676	ESA	22 FEB	29 APR 89	
1986-019KV		17677	ESA	22 FEB	04 MAY 88	
1986-019KW		17678	ESA	22 FEB	18 NOV 88	
1986-019KX		17679	ESA	22 FEB	28 MAR 89	
1986-019KY		17680	ESA	22 FEB	18 JAN 89	
1986-019KZ		17681	ESA	22 FEB	31 OCT 88	
1986-019LA		17682	ESA	22 FEB	31 MAR 89	
1986-019LB		17683	ESA	22 FEB	25 FEB 89	
1986-019LC		17684	ESA	22 FEB	08 MAY 89	
1986-019LD		17685	ESA	22 FEB	13 AUG 89	
1986-019LE		17686	ESA	22 FEB	11 DEC 87	
1986-019LF		17687	ESA	22 FEB	14 MAR 89	
1986-019LG		17688	ESA	22 FEB	28 APR 90	
1986-019LH		17689	ESA	22 FEB	17 JAN 88	
1986-019LJ		17690	ESA	22 FEB	08 JUN 89	
1986-019LJ		17691	ESA	22 FEB	14 JAN 89	
1986-019LK		17692	ESA	22 FEB	17 FEB 89	
1986-019LL		17693	ESA	22 FEB	29 DEC 88	
1986-019LM		17694	ESA	22 FEB	30 MAR 89	
1986-019LN		17695	ESA	22 FEB	05 SEP 89	
1986-019LP		17696	ESA	22 FEB	03 DEC 89	
1986-019LQ		17697	ESA	22 FEB	19 MAY 89	
1986-019LR		17698	ESA	22 FEB	11 FEB 92	
1986-019LR		17699	ESA	22 FEB	06 JAN 90	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1986-019LS		17700	ESA	22 FEB	12 NOV 88	
1986-019LT		17701	ESA	22 FEB	05 NOV 87	
1986-019LW		17704	ESA	22 FEB	18 JAN 90	
1986-019LX		17808	ESA	22 FEB	01 MAR 88	
1986-019LY		17809	ESA	22 FEB	27 AUG 89	
1986-019LZ		17810	ESA	22 FEB	19 JAN 89	
1986-019MA		17811	ESA	22 FEB	22 JAN 88	
1986-019MB		17812	ESA	22 FEB	05 JUL 88	
1986-019MC		17813	ESA	22 FEB	15 FEB 91	
1986-019MD		17814	ESA	22 FEB	30 SEP 88	
1986-019MF		17816	ESA	22 FEB	27 MAR 89	
1986-019MG		17817	ESA	22 FEB	31 AUG 88	
1986-019MH		17942	ESA	22 FEB	13 APR 89	
1986-019MJ		17943	ESA	22 FEB	23 APR 89	
1986-019MK		17944	ESA	22 FEB	11 SEP 89	
1986-019ML		17945	ESA	22 FEB	17 MAR 89	
1986-019MM		17946	ESA	22 FEB	07 DEC 87	
1986-019MN		17947	ESA	22 FEB	06 NOV 88	
1986-019MP		17948	ESA	22 FEB	29 APR 88	
1986-019MQ		17949	ESA	22 FEB	14 AUG 88	
1986-019MR		17950	ESA	22 FEB	29 JAN 90	
1986-019MS		17951	ESA	22 FEB	11 DEC 88	
1986-019MT		17952	ESA	22 FEB	07 JAN 89	
1986-019MU		17953	ESA	22 FEB	05 JAN 89	
1986-019MV		17954	ESA	22 FEB	04 MAY 88	
1986-019MW		17955	ESA	22 FEB	15 OCT 88	
1986-019MX		17956	ESA	22 FEB	11 NOV 89	
1986-019MY		17957	ESA	22 FEB	02 NOV 89	
1986-019MZ		17958	ESA	22 FEB	27 AUG 89	
1986-019NA		17959	ESA	22 FEB	24 AUG 89	
1986-019NB		17960	ESA	22 FEB	21 AUG 89	
1986-019NC		17961	ESA	22 FEB	03 JAN 89	
1986-019ND		17977	ESA	22 FEB	04 JAN 89	
1986-019NE		17978	ESA	22 FEB	09 SEP 89	
1986-019NF		17979	ESA	22 FEB	03 FEB 88	
1986-019NG		17980	ESA	22 FEB	17 MAR 89	
1986-019NJ		17982	ESA	22 FEB	16 MAR 89	
1986-019NK		17983	ESA	22 FEB	12 MAY 91	
1986-019NL		17984	ESA	22 FEB	21 APR 89	
1986-019NM		17985	ESA	22 FEB	11 OCT 87	
1986-019NN		17986	ESA	22 FEB	02 NOV 88	
1986-019NP		17987	ESA	22 FEB	02 NOV 88	
1986-019NR		17989	ESA	22 FEB	22 MAR 89	
1986-019NS		17990	ESA	22 FEB	10 OCT 88	
1986-019NT		17991	ESA	22 FEB	30 NOV 88	
1986-019NU		17992	ESA	22 FEB	03 JUL 89	
1986-019NV		17993	ESA	22 FEB	03 JUN 89	
1986-019NW		17994	ESA	22 FEB	10 JAN 89	
1986-019NX		17995	ESA	22 FEB	20 OCT 89	
1986-019NY		17996	ESA	22 FEB	26 MAR 90	
1986-019NZ		18132	ESA	22 FEB	03 FEB 88	
1986-019P		17119	ESA	22 FEB	02 JUL 90	
1986-019PA		18133	ESA	22 FEB	02 NOV 88	
1986-019PB		18134	ESA	22 FEB	12 FEB 89	
1986-019PC		18135	ESA	22 FEB	16 OCT 88	
1986-019PD		18136	ESA	22 FEB	05 OCT 88	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1986-019PE		18137	ESA	22 FEB	03 NOV 88	
1986-019PF		18138	ESA	22 FEB	14 MAR 89	
1986-019PG		18139	ESA	22 FEB	06 JAN 89	
1986-019PH		18140	ESA	22 FEB	23 OCT 88	
1986-019PJ		18141	ESA	22 FEB	26 SEP 88	
1986-019PK		18142	ESA	22 FEB	10 NOV 87	
1986-019PL		18143	ESA	22 FEB	19 JAN 89	
1986-019PM		18144	ESA	22 FEB	14 OCT 89	
1986-019PN		18145	ESA	22 FEB	15 JUN 91	
1986-019PP		18146	ESA	22 FEB	27 MAR 90	
1986-019PQ		18147	ESA	22 FEB	14 AUG 89	
1986-019PR		18148	ESA	22 FEB	12 DEC 89	
1986-019PS		18149	ESA	22 FEB	14 DEC 88	
1986-019PT		18150	ESA	22 FEB	20 FEB 90	
1986-019PU		18151	ESA	22 FEB	19 SEP 89	
1986-019PV		18164	ESA	22 FEB	26 JUN 89	
1986-019PW		18165	ESA	22 FEB	29 AUG 87	
1986-019PX		18166	ESA	22 FEB	26 FEB 89	
1986-019PY		18167	ESA	22 FEB	21 MAR 89	
1986-019PZ		18168	ESA	22 FEB	13 MAR 89	
1986-019QA		18169	ESA	22 FEB	18 APR 90	
1986-019QB		18170	ESA	22 FEB	10 NOV 87	
1986-019QC		18171	ESA	22 FEB	21 OCT 89	
1986-019QD		18172	ESA	22 FEB	12 NOV 89	
1986-019QE		18173	ESA	22 FEB	25 MAY 89	
1986-019QF		18174	ESA	22 FEB	09 AUG 89	
1986-019QG		18175	ESA	22 FEB	19 JAN 88	
1986-019QH		18176	ESA	22 FEB	27 OCT 89	
1986-019QJ		18177	ESA	22 FEB	12 OCT 89	
1986-019QK		18178	ESA	22 FEB	26 MAR 90	
1986-019QL		18179	ESA	22 FEB	14 JAN 89	
1986-019QM		18180	ESA	22 FEB	24 JUL 89	
1986-019QN		18181	ESA	22 FEB	22 JUL 89	
1986-019QP		18182	ESA	22 FEB	13 JAN 89	
1986-019QQ		18183	ESA	22 FEB	27 APR 91	
1986-019QR		18194	ESA	22 FEB	24 MAY 88	
1986-019QS		18195	ESA	22 FEB	10 DEC 88	
1986-019QU		18197	ESA	22 FEB	02 NOV 88	
1986-019QV		18198	ESA	22 FEB	01 JUL 88	
1986-019QW		18199	ESA	22 FEB	27 FEB 90	
1986-019QX		18200	ESA	22 FEB	04 OCT 88	
1986-019QY		18201	ESA	22 FEB	23 DEC 88	
1986-019QZ		18202	ESA	22 FEB	11 NOV 89	
1986-019RA		18203	ESA	22 FEB	07 MAY 89	
1986-019RB		18204	ESA	22 FEB	22 NOV 87	
1986-019RC		18205	ESA	22 FEB	24 NOV 88	
1986-019RD		18206	ESA	22 FEB	31 MAR 90	
1986-019RE		18207	ESA	22 FEB	20 MAY 89	
1986-019RG		18209	ESA	22 FEB	25 OCT 88	
1986-019RH		18210	ESA	22 FEB	09 MAR 89	
1986-019RJ		18211	ESA	22 FEB	11 OCT 89	
1986-019RL		18213	ESA	22 FEB	06 APR 89	
1986-019RP		18234	ESA	22 FEB	05 NOV 89	
1986-019RQ		18261	ESA	22 FEB	19 FEB 89	
1986-019RR		18262	ESA	22 FEB	21 MAR 89	
1986-019RS		18263	ESA	22 FEB	18 FEB 89	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1986-019RT		18264	ESA	22 FEB	14 NOV 88	
1986-019RU		18265	ESA	22 FEB	12 FEB 89	
1986-019RV		18266	ESA	22 FEB	11 DEC 88	
1986-019RW		18267	ESA	22 FEB	05 JAN 89	
1986-019RX		18289	ESA	22 FEB	02 OCT 88	
1986-019RZ		18291	ESA	22 FEB	23 OCT 88	
1986-019SA		18292	ESA	22 FEB	10 DEC 88	
1986-019SB		18293	ESA	22 FEB	15 AUG 89	
1986-019SC		18294	ESA	22 FEB	04 FEB 89	
1986-019SD		18295	ESA	22 FEB	09 SEP 89	
1986-019SE		18296	ESA	22 FEB	10 MAR 89	
1986-019SF		18297	ESA	22 FEB	26 MAR 91	
1986-019SG		18298	ESA	22 FEB	19 APR 89	
1986-019SH		18299	ESA	22 FEB	07 JAN 89	
1986-019SJ		18300	ESA	22 FEB	22 NOV 89	
1986-019SK		18404	ESA	22 FEB	05 OCT 88	
1986-019SL		18405	ESA	22 FEB	01 JUN 88	
1986-019SM		18406	ESA	22 FEB	01 JAN 89	
1986-019SN		18450	ESA	22 FEB	22 FEB 89	
1986-019SP		18451	ESA	22 FEB	29 DEC 88	
1986-019SQ		18452	ESA	22 FEB	28 APR 89	
1986-019SS		18454	ESA	22 FEB	01 APR 91	
1986-019ST		18455	ESA	22 FEB	12 APR 89	
1986-019SU		18456	ESA	22 FEB	23 MAR 89	
1986-019SV		18457	ESA	22 FEB	27 OCT 88	
1986-019SW		18458	ESA	22 FEB	11 OCT 89	
1986-019SX		18459	ESA	22 FEB	14 MAY 89	
1986-019SY		18460	ESA	22 FEB	31 JAN 89	
1986-019TA		18462	ESA	22 FEB	26 NOV 88	
1986-019TB		18522	ESA	22 FEB	03 JUN 89	
1986-019TD		18553	ESA	22 FEB	01 AUG 88	
1986-019TE		18554	ESA	22 FEB	19 MAR 88	
1986-019TF		18555	ESA	22 FEB	10 MAR 89	
1986-019TG		18557	ESA	22 FEB	19 MAY 89	
1986-019TH		18558	ESA	22 FEB	20 JAN 89	
1986-019TJ		18559	ESA	22 FEB	26 SEP 88	
1986-019TK		18563	ESA	22 FEB	25 MAR 89	
1986-019TL		18607	ESA	22 FEB	11 MAY 91	
1986-019TM		18611	ESA	22 FEB	04 JUL 90	
1986-019TN		18614	ESA	22 FEB	28 MAY 91	
1986-019TP		18642	ESA	22 FEB	06 MAR 90	
1986-019TQ		18674	ESA	22 FEB	16 JUL 90	
1986-019TR		18676	ESA	22 FEB	17 JAN 89	
1986-019TS		18683	ESA	22 FEB	22 MAR 90	
1986-019TT		18684	ESA	22 FEB	04 DEC 88	
1986-019TU		18685	ESA	22 FEB	02 APR 89	
1986-019TV		18774	ESA	22 FEB	19 SEP 89	
1986-019TW		18778	ESA	22 FEB	21 FEB 89	
1986-019TY		18781	ESA	22 FEB	31 JAN 89	
1986-019TZ		18782	ESA	22 FEB	18 APR 89	
1986-019UA		18787	ESA	22 FEB	02 DEC 88	
1986-019UB		18813	ESA	22 FEB	18 SEP 88	
1986-019UC		18817	ESA	22 FEB	13 NOV 89	
1986-019UD		18865	ESA	22 FEB	26 MAR 89	
1986-019UE		18903	ESA	22 FEB	04 SEP	
1986-019UF		18905	ESA	22 FEB		

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1986-019UG		18914	ESA	22 FEB	30 MAY 89	
1986-019UH		19007	ESA	22 FEB	28 OCT 88	
1986-019UJ		19009	ESA	22 FEB	13 AUG 89	
1986-019UK		19034	ESA	22 FEB	26 FEB 88	
1986-019UM		19107	ESA	22 FEB	02 MAY 91	
1986-019UP		19240	ESA	22 FEB	24 NOV 88	
1986-019UQ		19246	ESA	22 FEB	01 NOV 89	
1986-019UR		19307	ESA	22 FEB	09 MAR 90	
1986-019UT		19313	ESA	22 FEB	02 FEB 89	
1986-019UU		19315	ESA	22 FEB	06 AUG 89	
1986-019UV		19356	ESA	22 FEB	03 DEC 89	
1986-019UX		19395	ESA	22 FEB	07 JUN 89	
1986-019UZ		19477	ESA	22 FEB	04 JAN 89	
1986-019V		17126	ESA	22 FEB	16 MAR 87	
1986-019VA		19513	ESA	22 FEB	11 SEP 89	
1986-019VC		19642	ESA	22 FEB	11 APR 89	
1986-019VD		19812	ESA	22 FEB	11 FEB 91	
1986-019VE		19834	ESA	22 FEB	23 AUG 89	
1986-019VF		19855	ESA	22 FEB	16 MAR 89	
1986-019VG		19887	ESA	22 FEB	06 MAY 89	
1986-019VH		19892	ESA	22 FEB	22 JUL 89	
1986-019VJ		19966	ESA	22 FEB	06 JUL 89	
1986-019VK		19999	ESA	22 FEB	25 SEP 89	
1986-019VL		20050	ESA	22 FEB	09 APR 90	
1986-019VM		20173	ESA	22 FEB	26 JUL 90	
1986-019W		17127	ESA	22 FEB	25 JUL 87	
1986-019UL		19050	ESA	24 FEB	26 AUG 89	
1986-020A	COSMOS 1734	16618	USSR	26 FEB	26 APR 86	
1986-020B		16619	USSR	26 FEB	03 MAR 86	
1986-020C		16692	USSR	26 FEB	27 APR 86	
1986-020D		16693	USSR	26 FEB	30 APR 86	
1986-021A	COSMOS 1735	16620	USSR	27 FEB	17 NOV 88	
1986-021B		16621	USSR	27 FEB	27 FEB 86	
1986-022A	SOYUZ T-15	16643	USSR	13 MAR	16 JUL 86	
1986-022B		16644	USSR	13 MAR	16 MAR 86	
1986-023A	PROGRESS 25	16645	USSR	19 MAR	21 APR 86	
1986-023B		16646	USSR	19 MAR	22 MAR 86	
1986-024AA		16842	USSR	21 MAR	15 NOV 86	
1986-024AB		16857	USSR	21 MAR	14 NOV 86	
1986-024AC		16858	USSR	21 MAR	28 FEB 87	
1986-024AD		16859	USSR	21 MAR	16 DEC 86	
1986-024AE		16868	USSR	21 MAR	14 NOV 86	
1986-024AF		17030	USSR	21 MAR	13 NOV 86	
1986-024B		16806	USSR	21 MAR	01 SEP 86	
1986-024C		16807	USSR	21 MAR	27 JUN 86	
1986-024D		16808	USSR	21 MAR	26 JUN 86	
1986-024F		16823	USSR	21 MAR	23 OCT 86	
1986-024G		16824	USSR	21 MAR	10 AUG 87	
1986-024H		16825	USSR	21 MAR	31 AUG 86	
1986-024J		16826	USSR	21 MAR	04 DEC 86	
1986-024K		16827	USSR	21 MAR	31 OCT 86	
1986-024L		16828	USSR	21 MAR	16 DEC 86	
1986-024M		16829	USSR	21 MAR	26 JUL 87	
1986-024N		16830	USSR	21 MAR	04 JUL 86	
1986-024P		16831	USSR	21 MAR	18 MAR 87	
1986-024Q		16832	USSR	21 MAR	15 AUG 87	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1986-024R		16833		USSR	21 MAR	06 NOV 86	
1986-024S		16834		USSR	21 MAR	04 NOV 86	
1986-024T		16835		USSR	21 MAR	23 OCT 86	
1986-024U		16836		USSR	21 MAR	06 MAR 87	
1986-024V		16837		USSR	21 MAR	14 JUL 86	
1986-024W		16838		USSR	21 MAR	10 SEP 86	
1986-024X		16839		USSR	21 MAR	28 FEB 87	
1986-024Y		16840		USSR	21 MAR	24 FEB 87	
1986-024Z		16841		USSR	21 MAR	22 JAN 88	
1986-025A		16648		USSR	25 MAR	03 DEC 86	
1986-025B	COSMOS 1737	16659		USSR	25 MAR	26 MAR 86	
1986-026D		16658		ESA	28 MAR	12 AUG 87	
1986-027B		16668		USSR	04 APR	08 APR 86	
1986-027C		16669		USSR	04 APR	05 APR 86	
1986-027D		16670		USSR	04 APR	27 OCT 86	
1986-027E		16671		USSR	04 APR	27 OCT 86	
1986-028A		16677		USSR	09 APR	07 JUN 86	
1986-028B	COSMOS 1739	16678		USSR	09 APR	14 APR 86	
1986-029A		16679		USSR	15 APR	28 APR 86	
1986-029B	COSMOS 1740	16680		USSR	15 APR	27 APR 86	
1986-029C		16694		USSR	15 APR	14 DEC 86	
1986-029D		16695		USSR	15 APR	17 AUG 86	
1986-029E		16696		USSR	15 APR	18 MAR 87	
1986-029F		16697		USSR	15 APR	31 JUL 86	
1986-029G		16698		USSR	15 APR	07 OCT 86	
1986-029H		16699		USSR	15 APR	06 MAY 86	
1986-029J		16700		USSR	15 APR	11 MAY 86	
1986-029K		16701		USSR	15 APR	07 MAY 86	
1986-029L		16714		USSR	15 APR	18 APR 88	
1986-029M		16716		USSR	15 APR	08 MAY 86	
1986-031B		16684		USSR	18 APR	04 JUL 86	
1986-031C		16685		USSR	18 APR	12 JUN 86	
1986-032A	PROGRESS 26	16687		USSR	23 APR	23 JUN 86	
1986-032B		16688		USSR	23 APR	26 APR 86	
1986-033A		16717		USSR	14 MAY	28 MAY 86	
1986-033B	COSMOS 1742	16717		USSR	14 MAY	29 MAY 86	
1986-033C		16718		USSR	14 MAY	05 SEP 87	
1986-033D		16739		USSR	14 MAY	29 DEC 86	
1986-033E		16740		USSR	14 MAY	17 NOV 86	
1986-033F		16741		USSR	14 MAY	25 APR 88	
1986-033G		16742		USSR	14 MAY	28 JUN 86	
1986-033H		16743		USSR	14 MAY	31 OCT 86	
1986-041C		16793		USSR	19 MAY	22 JUN 86	
1986-035A		16722		USSR	21 MAY	30 MAY 86	
1986-035B	SOYUZ TM	16723		USSR	21 MAY	22 MAY 86	
1986-035C		16748		USSR	21 MAY	22 MAR 87	
1986-036A		16724		USSR	21 MAY	04 JUN 86	
1986-036B	COSMOS 1744	16725		USSR	21 MAY	24 JUN 86	
1986-036C		16753		USSR	21 MAY	05 JUN 86	
1986-036D		16754		USSR	21 MAY	18 AUG 86	
1986-036E		16755		USSR	21 MAY	21 JUN 86	
1986-036F		16756		USSR	21 MAY	25 JUL 86	
1986-036G		16757		USSR	21 MAY	07 JUN 86	
1986-038B		16730		USSR	24 MAY	26 MAY 86	
1986-038C		16731		USSR	24 MAY	24 MAY 86	
1986-038F		16734		USSR	24 MAY	28 DEC 86	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1986-040A	COSMOS 1746	16737	USSR	28 MAY	12 JUN 86	
1986-040B		16738	USSR	28 MAY	02 JUN 86	
1986-040C		16747	USSR	28 MAY	08 JUN 86	
1986-040D		16783	USSR	28 MAY	13 JUN 86	
1986-040E		16784	USSR	28 MAY	13 JUN 86	
1986-040F		16785	USSR	28 MAY	14 JUN 86	
1986-040G		16786	USSR	28 MAY	13 JUN 86	
1986-040H		16787	USSR	28 MAY	07 JUL 86	
1986-040J		16788	USSR	28 MAY	23 JUN 86	
1986-041A	COSMOS 1747	16745	USSR	29 MAY	12 JUN 86	
1986-041B		16746	USSR	29 MAY	25 JUN 86	
1986-041D		16794	USSR	29 MAY	25 JUN 86	
1986-041E		16795	USSR	29 MAY	14 JUN 86	
1986-041F		16796	USSR	29 MAY	15 JUN 86	
1986-043A	COSMOS 1756	16767	USSR	06 JUN	04 AUG 86	
1986-043B		16768	USSR	06 JUN	13 JUN 86	
1986-044B		16770	USSR	10 JUN	12 JUN 86	
1986-044C		16771	USSR	10 JUN	11 JUN 86	
1986-044D		16789	USSR	10 JUN	07 MAR 90	
1986-044E		16790	USSR	10 JUN	12 AUG 87	
1986-045A	COSMOS 1757	16772	USSR	11 JUN	25 JUN 86	
1986-045B		16773	USSR	11 JUN	13 JUN 86	
1986-045C		16816	USSR	11 JUN	27 JUN 86	
1986-045D		16817	USSR	11 JUN	05 JUL 86	
1986-045E		16818	USSR	11 JUN	27 JUN 86	
1986-045F		16819	USSR	11 JUN	09 JUL 86	
1986-045G		16820	USSR	11 JUN	29 JUN 86	
1986-017DV	MAK-1	21425	USSR	17 JUN	18 OCT 91	
1986-048A	COSMOS 1760	16800	USSR	19 JUN	03 JUL 86	
1986-048B		16801	USSR	19 JUN	19 JUL 86	
1986-048C		16844	USSR	19 JUN	24 MAR 88	
1986-048D		16845	USSR	19 JUN	23 MAR 87	
1986-048E		16846	USSR	19 JUN	17 MAR 87	
1986-048F		16847	USSR	19 JUN	27 JUL 86	
1986-048G		16848	USSR	19 JUN	26 DEC 86	
1986-049B		16803	USSR	19 JUN	27 SEP 86	
1986-049C		16804	USSR	19 JUN	01 OCT 86	
1986-050B		16850	USSR	05 JUL	19 SEP 86	
1986-050C		16851	USSR	05 JUL	16 AUG 86	
1986-051A	COSMOS 1762	16855	USSR	10 JUL	24 JUL 86	
1986-051B		16856	USSR	10 JUL	15 JUL 86	
1986-051C		16871	USSR	10 JUL	21 AUG 86	
1986-051D		16872	USSR	10 JUL	03 AUG 86	
1986-051E		16873	USSR	10 JUL	31 JUL 86	
1986-051F		16876	USSR	10 JUL	22 SEP 86	
1986-051G		16880	USSR	10 JUL	05 AUG 86	
1986-053A	COSMOS 1764	16861	USSR	16 JUL	11 SEP 86	
1986-053B		16862	USSR	17 JUL	26 JUL 86	
1986-054A	COSMOS 1765	16874	USSR	24 JUL	07 AUG 86	
1986-054B		16875	USSR	24 JUL	08 AUG 86	
1986-054C		16899	USSR	24 JUL	06 NOV 86	
1986-054D		16900	USSR	24 JUL	14 MAY 87	
1986-054E		16901	USSR	24 JUL	23 SEP 86	
1986-054F		16902	USSR	24 JUL	20 MAR 87	
1986-054G		16903	USSR	24 JUL	18 SEP 86	
1986-054H		16904	USSR	24 JUL	14 SEP 86	

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NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1986-054J	COSMOS 1767	16905	USSR	24 JUL	12 MAY 88
1986-054K		16906	USSR	24 JUL	11 SEP 86
1986-054L		16907	USSR	24 JUL	14 SEP 86
1986-054M		17175	USSR	24 JUL	03 FEB 87
1986-056A		16883	USSR	30 JUL	16 AUG 86
1986-056B		16884	USSR	30 JUL	04 AUG 86
1986-056C		16888	USSR	30 JUL	18 AUG 86
1986-056D		16892	USSR	30 JUL	11 AUG 86
1986-056E		16893	USSR	30 JUL	12 AUG 86
1986-056F		16894	USSR	30 JUL	20 AUG 86
1986-057B	COSMOS 1768	16886	USSR	30 JUL	19 OCT 86
1986-057C		16887	USSR	30 JUL	05 OCT 86
1986-058A		16890	USSR	02 AUG	16 AUG 86
1986-058B		16891	USSR	02 AUG	07 AUG 86
1986-058C		16911	USSR	02 AUG	19 OCT 86
1986-058D		16912	USSR	02 AUG	07 AUG 86
1986-058E		16913	USSR	02 AUG	16 SEP 86
1986-058F		16914	USSR	02 AUG	24 AUG 86
1986-058G		16915	USSR	02 AUG	17 AUG 86
1986-058H		16916	USSR	02 AUG	29 AUG 86
1986-059A	COSMOS 1769	16895	USSR	02 AUG	31 AUG 86
1986-059B		16896	USSR	04 AUG	18 FEB 88
1986-059C		18354	USSR	04 AUG	04 AUG 86
1986-059D		18382	USSR	04 AUG	10 OCT 87
1986-059E		18383	USSR	04 AUG	14 DEC 87
1986-060A		16897	USSR	06 AUG	07 OCT 87
1986-060B		16898	USSR	06 AUG	02 FEB 87
1986-060C		17398	USSR	06 AUG	12 AUG 86
1986-062B		17034	USSR	20 AUG	05 FEB 87
1986-062D		17036	USSR	20 AUG	20 OCT 86
1986-063A	COSMOS 1772	16918	USSR	21 AUG	29 NOV 86
1986-063B		16919	USSR	21 AUG	03 SEP 86
1986-063C		16930	USSR	21 AUG	02 SEP 86
1986-063D		16931	USSR	21 AUG	09 APR 87
1986-063E		16932	USSR	21 AUG	13 MAY 88
1986-063F		16933	USSR	21 AUG	07 JAN 87
1986-063G		17301	USSR	21 AUG	01 JUN 87
1986-064A		16920	USSR	21 AUG	19 MAR 87
1986-064B		16921	USSR	27 AUG	21 OCT 86
1986-065B		16923	USSR	28 AUG	02 SEP 86
1986-065C	COSMOS 1775	16924	USSR	28 AUG	22 OCT 86
1986-066A		16926	USSR	03 SEP	01 OCT 86
1986-066B		16927	USSR	03 SEP	17 SEP 86
1986-066C		16970	USSR	03 SEP	25 SEP 86
1986-066D		16971	USSR	03 SEP	12 APR 88
1986-066E		16972	USSR	03 SEP	01 MAR 87
1986-066F		16973	USSR	03 SEP	20 DEC 86
1986-066G		16975	USSR	03 SEP	02 APR 87
1986-066H		16976	USSR	03 SEP	27 SEP 86
1986-066J		16977	USSR	03 SEP	07 OCT 86
1986-066K	COSMOS 1776	16978	USSR	03 SEP	02 OCT 86
1986-066L		16979	USSR	03 SEP	10 OCT 86
1986-067A		16928	USSR	03 SEP	21 DEC 86
1986-067AA		19410	USSR	03 SEP	15 DEC 89
1986-067AB		19411	USSR	03 SEP	20 OCT 88
1986-067AC		19545	USSR	03 SEP	10 OCT 88
					08 NOV 88

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1986-067AD		19546	USSR	03 SEP	31 OCT 88	
1986-067AE		20272	USSR	03 SEP	05 OCT 89	
1986-067AF		20273	USSR	03 SEP	05 OCT 89	
1986-067B		16929	USSR	03 SEP	26 OCT 89	
1986-067C		17006	USSR	03 SEP	30 OCT 87	
1986-067D		17007	USSR	03 SEP	14 OCT 87	
1986-067E		17008	USSR	03 SEP	08 NOV 87	
1986-067F		17009	USSR	03 SEP	24 OCT 87	
1986-067G		17258	USSR	03 SEP	09 DEC 87	
1986-067H		17259	USSR	03 SEP	29 NOV 87	
1986-067J		17260	USSR	03 SEP	23 NOV 87	
1986-067K		17261	USSR	03 SEP	14 NOV 87	
1986-067L		17334	USSR	03 SEP	04 DEC 87	
1986-067M		17335	USSR	03 SEP	09 NOV 87	
1986-067N		17356	USSR	03 SEP	27 DEC 87	
1986-067P		17357	USSR	03 SEP	22 NOV 87	
1986-067Q		17537	USSR	03 SEP	24 NOV 87	
1986-067R		17538	USSR	03 SEP	28 DEC 87	
1986-067S		18026	USSR	03 SEP	13 JAN 88	
1986-067T		18027	USSR	03 SEP	07 FEB 88	
1986-067U		18434	USSR	03 SEP	20 SEP 88	
1986-067V		18435	USSR	03 SEP	14 SEP 88	
1986-067W		18855	USSR	03 SEP	28 MAY 88	
1986-067X		18856	USSR	03 SEP	13 JUN 88	
1986-067Y		19375	USSR	03 SEP	18 OCT 88	
1986-067Z		19376	USSR	03 SEP	01 OCT 88	
1986-068B		16935	USSR	05 SEP	12 OCT 86	
1986-068C		16936	USSR	05 SEP	06 NOV 86	
1986-069A		16937	US	05 SEP	28 SEP 86	
1986-069B		16938	US	05 SEP	25 NOV 86	
1986-069C		16940	US	05 SEP	24 SEP 86	
1986-069D		16941	US	05 SEP	14 APR 87	
1986-069E		16942	US	05 SEP	10 NOV 86	
1986-069F		16943	US	05 SEP	11 DEC 86	
1986-069G		16944	US	05 SEP	23 OCT 86	
1986-069H		16945	US	05 SEP	31 OCT 86	
1986-069J		16946	US	05 SEP	30 MAR 87	
1986-069K		16947	US	05 SEP	16 SEP 86	
1986-069L		16948	US	05 SEP	15 NOV 86	
1986-069M		16949	US	05 SEP	23 SEP 86	
1986-069N		16950	US	05 SEP	13 SEP 86	
1986-069P		16951	US	05 SEP	21 OCT 86	
1986-069Q		17019	US	05 SEP	20 MAR 87	
1986-069R		17020	US	05 SEP	29 OCT 86	
1986-069S		17021	US	05 SEP	26 OCT 86	
1986-069T		17022	US	05 SEP	31 OCT 86	
1986-071D		16964	USSR	16 SEP	16 SEP 86	
1986-071E		16965	USSR	16 SEP	16 SEP 86	
1986-071H		16985	USSR	16 SEP	26 NOV 92	
1986-072A		16966	USSR	17 SEP	01 OCT 86	
1986-072B		16967	USSR	17 SEP	07 OCT 86	
1986-072C		16974	USSR	17 SEP	20 SEP 86	
1986-072D		16988	USSR	17 SEP	09 APR 88	
1986-072E		16989	USSR	17 SEP	20 MAY 87	
1986-072F		16990	USSR	17 SEP	19 MAY 87	
1986-072G		16991	USSR	17 SEP	29 DEC 86	

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DECAYED OBJECTS			LAUNCH		DECAY		NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES	
1986-072H		16992	USSR	17 SEP	13 JAN 87		
1986-072J		17049	USSR	17 SEP	01 DEC 86		
1986-073C		16983	US	17 SEP	04 AUG 91		
1985-082M		17281	USSR	19 SEP	27 MAY 87		
1986-074C		19432	USSR	30 SEP	13 MAR 89		
1986-075B		16994	USSR	03 OCT	22 NOV 86		
1986-075C		16995	USSR	03 OCT	08 NOV 86		
1986-075E		16998	USSR	03 OCT	12 NOV 86		
1986-076A	PRC 19	17001	PRC	06 OCT	23 OCT 86		
1986-076B		17002	PRC	06 OCT	20 OCT 86		
1986-076C		17005	PRC	06 OCT	08 OCT 86		
1986-076D		17028	PRC	06 OCT	12 OCT 86		
1986-077A	COSMOS 1784	17003	USSR	06 OCT	11 NOV 86		
1986-077B		17004	USSR	06 OCT	12 OCT 86		
1986-078B		17032	USSR	15 OCT	18 NOV 86		
1986-078C		17033	USSR	15 OCT	09 DEC 86		
1986-079B		17039	USSR	20 OCT	22 DEC 86		
1986-079C		17040	USSR	20 OCT	06 MAR 88		
1986-080A	COSMOS 1786	17042	USSR	22 OCT	08 APR 88		
1986-080B		17043	USSR	22 OCT	04 NOV 86		
1986-081A	COSMOS 1787	17044	USSR	22 OCT	30 OCT 86		
1986-081B		17045	USSR	22 OCT	20 NOV 86		
1986-081C		17058	USSR	22 OCT	17 NOV 86		
1986-081D		17061	USSR	22 OCT	31 DEC 86		
1986-081E		17062	USSR	22 OCT	09 NOV 86		
1986-081F		17063	USSR	22 OCT	28 OCT 86		
1986-081G		17064	USSR	22 OCT	26 OCT 86		
1986-082B		17047	USSR	25 OCT	21 JAN 91		
1986-082C	COSMOS 1788	17048	USSR	25 OCT	05 JAN 90		
1986-083A		17050	USSR	27 OCT	14 NOV 86		
1986-083B	COSMOS 1789	17051	USSR	31 OCT	04 NOV 86		
1986-084A		17054	USSR	31 OCT	27 AUG 87		
1986-084B		17055	USSR	31 OCT	19 DEC 86		
1986-084C		17072	USSR	31 OCT	07 JAN 87		
1986-084D		17073	USSR	31 OCT	19 NOV 86		
1986-084E		17074	USSR	31 OCT	03 JAN 87		
1986-084F		17075	USSR	31 OCT	21 FEB 87		
1986-084G		17076	USSR	31 OCT	18 NOV 86		
1986-084H		17077	USSR	31 OCT	09 NOV 86		
1986-085A	COSMOS 1790	17056	USSR	04 NOV	21 NOV 86		
1986-085B		17057	USSR	04 NOV	26 NOV 86		
1986-085C		17082	USSR	04 NOV	23 NOV 86		
1986-085D		17086	USSR	04 NOV	24 NOV 86		
1986-085E		17087	USSR	04 NOV	10 DEC 86		
1986-085F		17088	USSR	04 NOV	05 JAN 87		
1986-085G		17089	USSR	13 NOV	19 NOV 86		
1986-087A	COSMOS 1792	17068	USSR	13 NOV	19 DEC 86		
1986-087B		17069	USSR	15 NOV	28 DEC 86		
1986-089B		17079	USSR	15 NOV	21 NOV 86		
1986-090B		17080	USSR	18 NOV	12 AUG 87		
1986-090C		17084	USSR	18 NOV	27 JAN 87		
1986-090E		17085	USSR	20 NOV	23 DEC 86		
1986-091B		17148	USSR	20 NOV	18 DEC 86		
1986-091C		17135	USSR	20 NOV	27 JAN 87		
1986-091C		17136	USSR	20 NOV	23 DEC 86		
1986-095A	COSMOS 1804	17179	USSR	04 DEC	18 DEC 86		

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1986-095B		17180	USSR	04 DEC	31 DEC 86	
1986-095C		17243	USSR	04 DEC	04 SEP 87	
1986-095D		17244	USSR	04 DEC	13 APR 88	
1986-095E		17245	USSR	04 DEC	26 MAY 87	
1986-095F		17246	USSR	04 DEC	15 APR 87	
1986-095G		17252	USSR	04 DEC	08 APR 87	
1986-096B		17182	US	05 DEC	13 MAR 88	
1986-098B		17214	USSR	12 DEC	23 FEB 87	
1986-098C		17215	USSR	12 DEC	10 FEB 87	
1986-099A	COSMOS 1807	17217	USSR	16 DEC	23 JAN 87	
1986-099B		17218	USSR	16 DEC	22 DEC 86	
1986-102A	COSMOS 1810	17262	USSR	26 DEC	11 DEC 87	
1986-102B		17263	USSR	26 DEC	31 DEC 86	
1986-102C		18345	USSR	26 DEC	11 SEP 87	
1986-102D		18346	USSR	26 DEC	12 SEP 87	
1986-102E		18347	USSR	26 DEC	12 SEP 87	
1986-103B		17265	USSR	26 DEC	02 FEB 87	
1986-103C		17266	USSR	26 DEC	21 JAN 87	
1986-103E		17276	USSR	26 DEC	27 JAN 86	
1987 LAUNCHES						
1987-002A	COSMOS 1811	17292	USSR	09 JAN	13 FEB 87	
1987-002B		17293	USSR	09 JAN	16 JAN 87	
1987-002C		17294	USSR	09 JAN	11 JAN 87	
1987-004A	COSMOS 1813	17297	USSR	15 JAN	13 MAR 89	
1987-004AA		17419	USSR	15 JAN	31 AUG 87	
1987-004AB		17420	USSR	15 JAN	10 DEC 87	
1987-004AC		17488	USSR	15 JAN	05 OCT 88	
1987-004AD		17489	USSR	15 JAN	22 SEP 88	
1987-004AE		17490	USSR	15 JAN	22 MAR 87	
1987-004AF		17491	USSR	15 JAN	07 OCT 87	
1987-004AG		17492	USSR	15 JAN	17 NOV 88	
1987-004AH		17493	USSR	15 JAN	03 NOV 88	
1987-004AJ		17494	USSR	15 JAN	03 SEP 88	
1987-004AK		17495	USSR	15 JAN	07 DEC 88	
1987-004AL		17496	USSR	15 JAN	14 APR 87	
1987-004AM		17497	USSR	15 JAN	27 MAR 87	
1987-004AN		17498	USSR	15 JAN	05 DEC 88	
1987-004AP		17499	USSR	15 JAN	22 APR 88	
1987-004AQ		17500	USSR	15 JAN	30 JAN 90	
1987-004AR		17501	USSR	15 JAN	25 OCT 88	
1987-004AS		17502	USSR	15 JAN	31 DEC 88	
1987-004AT		17503	USSR	15 JAN	16 SEP 87	
1987-004AU		17504	USSR	15 JAN	02 SEP 87	
1987-004AV		17505	USSR	15 JAN	27 OCT 87	
1987-004AW		17508	USSR	15 JAN	14 APR 87	
1987-004AX		17509	USSR	15 JAN	11 AUG 87	
1987-004AY		17510	USSR	15 JAN	30 AUG 87	
1987-004AZ		17511	USSR	15 JAN	20 AUG 87	
1987-004B		17298	USSR	15 JAN	01 FEB 87	
1987-004BA		17512	USSR	15 JAN	03 JUN 87	
1987-004BB		17513	USSR	15 JAN	21 JUN 87	
1987-004BC		17514	USSR	15 JAN	22 JUN 87	
1987-004BD		17515	USSR	15 JAN	17 MAY 87	
1987-004BE		17516	USSR	15 JAN	17 SEP 88	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1987-004BF		17517	USSR		15 JAN	22 NOV 87	
1987-004BG		17518	USSR		15 JAN	27 APR 87	
1987-004BH		17519	USSR		15 JAN	16 AUG 87	
1987-004BJ		17520	USSR		15 JAN	05 MAY 87	
1987-004BK		17521	USSR		15 JAN	12 JUL 88	
1987-004BL		17522	USSR		15 JAN	29 NOV 87	
1987-004BM		17556	USSR		15 JAN	18 MAR 89	
1987-004BN		17757	USSR		15 JAN	10 OCT 87	
1987-004BP		17758	USSR		15 JAN	19 OCT 87	
1987-004BQ		17759	USSR		15 JAN	13 SEP 87	
1987-004BR		17760	USSR		15 JAN	29 DEC 87	
1987-004BS		17761	USSR		15 JAN	09 JAN 88	
1987-004BT		17762	USSR		15 JAN	17 JAN 89	
1987-004BU		17852	USSR		15 JAN	14 AUG 88	
1987-004BV		17853	USSR		15 JAN	09 JUL 87	
1987-004BW		17854	USSR		15 JAN	11 OCT 87	
1987-004BX		17855	USSR		15 JAN	31 DEC 87	
1987-004BY		17856	USSR		15 JAN	13 APR 87	
1987-004BZ		17857	USSR		15 JAN	31 OCT 87	
1987-004C		17361	USSR		15 JAN	27 JUN 87	
1987-004CA		17858	USSR		15 JAN	12 SEP 87	
1987-004CB		17859	USSR		15 JAN	09 MAY 87	
1987-004CC		17860	USSR		15 JAN	15 APR 87	
1987-004CD		17861	USSR		15 JAN	11 SEP 87	
1987-004CE		17862	USSR		15 JAN	14 SEP 87	
1987-004CF		17863	USSR		15 JAN	28 AUG 87	
1987-004CG		17864	USSR		15 JAN	06 OCT 87	
1987-004CH		17865	USSR		15 JAN	21 MAY 87	
1987-004CJ		17866	USSR		15 JAN	11 JUL 87	
1987-004CK		17867	USSR		15 JAN	13 AUG 87	
1987-004CL		17868	USSR		15 JAN	24 MAY 87	
1987-004CM		17869	USSR		15 JAN	13 JUN 87	
1987-004CN		17870	USSR		15 JAN	02 JUN 87	
1987-004CP		17871	USSR		15 JAN	15 OCT 87	
1987-004CQ		17882	USSR		15 JAN	04 MAY 88	
1987-004CR		17883	USSR		15 JAN	05 DEC 87	
1987-004CS		17884	USSR		15 JAN	03 AUG 88	
1987-004CT		17885	USSR		15 JAN	26 JAN 88	
1987-004CU		17886	USSR		15 JAN	12 SEP 88	
1987-004CV		17887	USSR		15 JAN	29 DEC 87	
1987-004CW		17888	USSR		15 JAN	17 AUG 87	
1987-004CX		17889	USSR		15 JAN	13 AUG 87	
1987-004CY		17890	USSR		15 JAN	25 AUG 87	
1987-004CZ		17891	USSR		15 JAN	25 NOV 87	
1987-004D		17362	USSR		15 JAN	01 FEB 87	
1987-004DA		17892	USSR		15 JAN	02 APR 88	
1987-004DB		17893	USSR		15 JAN	14 OCT 87	
1987-004DC		17894	USSR		15 JAN	24 SEP 87	
1987-004DD		17895	USSR		15 JAN	05 OCT 87	
1987-004DE		17896	USSR		15 JAN	26 AUG 88	
1987-004DF		17897	USSR		15 JAN	11 SEP 87	
1987-004DG		17898	USSR		15 JAN	15 SEP 88	
1987-004DH		17899	USSR		15 JAN	05 NOV 88	
1987-004DJ		17900	USSR		15 JAN	25 OCT 89	
1987-004DK		17901	USSR		15 JAN	05 JUL 88	
1987-004DL		17919	USSR		15 JAN	22 JAN 89	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1987-004DM		17920	USSR	15 JAN	03 AUG 88	
1987-004DN		17921	USSR	15 JAN	19 JUL 87	
1987-004DP		17922	USSR	15 JAN	01 SEP 87	
1987-004DQ		17923	USSR	15 JAN	25 AUG 87	
1987-004DR		17924	USSR	15 JAN	14 OCT 88	
1987-004DS		17925	USSR	15 JAN	19 JUN 89	
1987-004DT		17926	USSR	15 JAN	21 JUN 87	
1987-004DU		17927	USSR	15 JAN	22 SEP 87	
1987-004DV		17928	USSR	15 JAN	11 JUN 87	
1987-004DW		17929	USSR	15 JAN	10 OCT 87	
1987-004DX		17930	USSR	15 JAN	10 JAN 88	
1987-004DY		17931	USSR	15 JAN	13 SEP 88	
1987-004DZ		17932	USSR	15 JAN	27 FEB 88	
1987-004E		17933	USSR	15 JAN	25 APR 87	
1987-004EA		17934	USSR	15 JAN	07 SEP 87	
1987-004EB		17935	USSR	15 JAN	09 SEP 87	
1987-004EC		17936	USSR	15 JAN	27 JUN 87	
1987-004ED		17937	USSR	15 JAN	28 NOV 87	
1987-004EE		17938	USSR	15 JAN	06 OCT 87	
1987-004EF		18030	USSR	15 JAN	29 NOV 87	
1987-004EF		18031	USSR	15 JAN	13 JUN 87	
1987-004EG		18032	USSR	15 JAN	18 JUN 87	
1987-004EJ		18033	USSR	15 JAN	22 SEP 87	
1987-004EK		18034	USSR	15 JAN	29 SEP 87	
1987-004EL		18035	USSR	15 JAN	31 OCT 87	
1987-004EM		18036	USSR	15 JAN	30 SEP 87	
1987-004EN		18037	USSR	15 JAN	12 JUL 87	
1987-004EP		18038	USSR	15 JAN	10 OCT 88	
1987-004EQ		18039	USSR	15 JAN	09 JAN 88	
1987-004ER		18040	USSR	15 JAN	29 OCT 87	
1987-004ES		18041	USSR	15 JAN	22 JAN 89	
1987-004ET		18042	USSR	15 JAN	15 SEP 87	
1987-004EU		18043	USSR	15 JAN	02 SEP 87	
1987-004EV		18044	USSR	15 JAN	01 NOV 88	
1987-004EW		18045	USSR	15 JAN	06 AUG 87	
1987-004EX		18046	USSR	15 JAN	31 MAR 88	
1987-004EY		18047	USSR	15 JAN	31 JUL 88	
1987-004EZ		18048	USSR	15 JAN	15 MAR 89	
1987-004F		17364	USSR	15 JAN	14 JUN 87	
1987-004FA		18049	USSR	15 JAN	23 OCT 87	
1987-004FB		18050	USSR	15 JAN	17 AUG 87	
1987-004FC		18051	USSR	15 JAN	23 OCT 88	
1987-004FD		18052	USSR	15 JAN	18 OCT 88	
1987-004FE		18053	USSR	15 JAN	24 JUL 87	
1987-004FF		18054	USSR	15 JAN	17 JUL 87	
1987-004FG		18055	USSR	15 JAN	29 JUN 87	
1987-004FH		18056	USSR	15 JAN	24 OCT 87	
1987-004FJ		18057	USSR	15 JAN	09 AUG 87	
1987-004FK		18058	USSR	15 JAN	02 OCT 87	
1987-004FL		18059	USSR	15 JAN	24 SEP 88	
1987-004FN		18060	USSR	15 JAN	19 SEP 88	
1987-004FP		18061	USSR	15 JAN	03 SEP 87	
1987-004FQ		18062	USSR	15 JAN	23 JUL 87	
1987-004FR		18063	USSR	15 JAN	20 OCT 87	
1987-004FS			USSR	15 JAN	09 SEP 87	

DECAYED OBJECTS			NOTES			
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1987-004FT		18064	USSR	15 JAN	13 SEP 87	
1987-004FU		18065	USSR	15 JAN	11 SEP 87	
1987-004FV		18066	USSR	15 JAN	04 AUG 87	
1987-004FW		18067	USSR	15 JAN	27 MAR 88	
1987-004FX		18068	USSR	15 JAN	25 FEB 88	
1987-004FY		18069	USSR	15 JAN	29 AUG 87	
1987-004FZ		18070	USSR	15 JAN	12 FEB 88	
1987-004G		17401	USSR	15 JAN	04 JUN 87	
1987-004GA		18071	USSR	15 JAN	10 MAR 88	
1987-004GB		18072	USSR	15 JAN	06 SEP 87	
1987-004GC		18073	USSR	15 JAN	19 SEP 87	
1987-004GD		18074	USSR	15 JAN	03 OCT 87	
1987-004GE		18075	USSR	15 JAN	12 AUG 87	
1987-004GF		18076	USSR	15 JAN	27 APR 88	
1987-004GG		18077	USSR	15 JAN	19 SEP 87	
1987-004GH		18078	USSR	15 JAN	16 FEB 88	
1987-004GJ		18079	USSR	15 JAN	28 JUL 87	
1987-004GK		18080	USSR	15 JAN	03 SEP 87	
1987-004GL		18081	USSR	15 JAN	15 JAN 88	
1987-004GM		18082	USSR	15 JAN	24 AUG 87	
1987-004GN		18235	USSR	15 JAN	25 OCT 87	
1987-004GP		18236	USSR	15 JAN	04 NOV 87	
1987-004GQ		18236	USSR	15 JAN	17 OCT 88	
1987-004GS		18305	USSR	15 JAN	21 NOV 87	
1987-004GT		18514	USSR	15 JAN	30 JAN 88	
1987-004GU		18515	USSR	15 JAN	11 FEB 89	
1987-004GV		18596	USSR	15 JAN	05 MAR 89	
1987-004GW		18609	USSR	15 JAN	29 SEP 88	
1987-004GX		18696	USSR	15 JAN	26 MAR 88	
1987-004GY		18815	USSR	15 JAN	09 FEB 88	
1987-004GZ		18815	USSR	15 JAN	30 DEC 88	
1987-004H		17402	USSR	15 JAN	01 MAY 88	
1987-004HA		18909	USSR	15 JAN	11 MAY 88	
1987-004HB		19063	USSR	15 JAN	13 JAN 89	
1987-004HC		19563	USSR	15 JAN	24 FEB 87	
1987-004J		17403	USSR	15 JAN	29 DEC 88	
1987-004K		17404	USSR	15 JAN	24 AUG 88	
1987-004L		17405	USSR	15 JAN	07 NOV 88	
1987-004M		17406	USSR	15 JAN	16 NOV 88	
1987-004N		17407	USSR	15 JAN	22 JAN 89	
1987-004P		17408	USSR	15 JAN	22 FEB 87	
1987-004Q		17409	USSR	15 JAN	28 MAR 87	
1987-004R		17410	USSR	15 JAN	20 FEB 87	
1987-004S		17411	USSR	15 JAN	07 JAN 88	
1987-004T		17412	USSR	15 JAN	27 JUL 87	
1987-004U		17413	USSR	15 JAN	17 JAN 89	
1987-004V		17414	USSR	15 JAN	13 JUN 88	
1987-004W		17415	USSR	15 JAN	18 JAN 88	
1987-004X		17416	USSR	15 JAN	06 MAR 87	
1987-004Y		17417	USSR	15 JAN	25 FEB 87	
1987-004Z		17418	USSR	15 JAN	20 JAN 87	
1987-005A	PROGRESS 27	17299	USSR	16 JAN	15 NOV 88	
1987-005B		17300	USSR	22 JAN	06 OCT 88	
1987-007A	COSMOS 1815	17326	USSR	22 JAN	01 MAR	
1987-007B		17327	USSR	22 JAN		
1987-008B		17329	USSR	22 JAN		

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1987-008C		17330	USSR	22 JAN	25 FEB 87	
1987-010A	COSMOS 1817	17365	USSR	30 JAN	31 JAN 87	
1987-010B		17366	USSR	30 JAN	02 FEB 87	
1987-010C		17367	USSR	30 JAN	18 MAR 87	
1987-010D		17368	USSR	30 JAN	13 FEB 87	
1987-011B		17370	USSR	01 FEB	02 FEB 87	
1987-011C		17399	USSR	01 FEB	29 JUL 90	
1987-011D		17400	USSR	01 FEB	04 MAY 90	
1987-012A	ASTRO C	17480	JAPAN	05 FEB	01 NOV 91	
1987-012C		18229	JAPAN	05 FEB	25 NOV 88	
1987-012D		18238	JAPAN	05 FEB	08 OCT 89	
1987-012E		18407	JAPAN	05 FEB	11 AUG 89	
1987-012F		18408	JAPAN	05 FEB	22 NOV 88	
1987-012G		18409	JAPAN	05 FEB	11 FEB 89	
1987-012H		18523	JAPAN	05 FEB	03 FEB 88	
1987-012J		18682	JAPAN	05 FEB	09 FEB 89	
1987-013A	SOYUZ TM-2	17482	USSR	05 FEB	30 JUL 87	
1987-013B		17483	USSR	05 FEB	08 FEB 87	
1987-013C		18242	USSR	05 FEB	16 JAN 88	
1987-014A	COSMOS 1819	17484	USSR	07 FEB	18 FEB 87	
1987-014B		17485	USSR	07 FEB	10 FEB 87	
1987-014C		17486	USSR	07 FEB	07 FEB 87	
1987-014D		17487	USSR	07 FEB	08 FEB 87	
1987-014E		17529	USSR	07 FEB	03 MAR 87	
1987-014F		17530	USSR	07 FEB	24 MAR 87	
1987-014G		17531	USSR	07 FEB	23 FEB 87	
1987-014H		17532	USSR	07 FEB	26 FEB 87	
1987-016A	COSMOS 1820	17523	USSR	14 FEB	06 MAR 87	
1987-016B		17524	USSR	14 FEB	22 FEB 87	
1987-019A	COSMOS 1822	17533	USSR	19 FEB	05 MAR 87	
1987-019B		17534	USSR	19 FEB	01 MAR 87	
1987-019C		17568	USSR	19 FEB	11 MAR 87	
1987-019D		17569	USSR	19 FEB	17 MAR 87	
1987-019E		17570	USSR	19 FEB	10 APR 87	
1987-019F		17571	USSR	19 FEB	08 MAR 87	
1987-019G		17572	USSR	19 FEB	11 MAR 87	
1987-019H		17573	USSR	19 FEB	11 MAR 87	
1987-020AB		18750	USSR	20 FEB	06 MAR 87	
1987-020AX		18970	USSR	20 FEB	28 AUG 90	
1987-020AY		18968	USSR	20 FEB	23 SEP 88	
1987-020AZ		18994	USSR	20 FEB	18 MAY 90	
1987-020BC		18995	USSR	20 FEB	21 MAR 89	
1987-020BF		19104	USSR	20 FEB	24 FEB 90	
1987-020BH		19146	USSR	20 FEB	04 JAN 89	
1987-020BJ		19149	USSR	20 FEB	21 JAN 89	
1987-020BK		19151	USSR	20 FEB	17 FEB 91	
1987-020BL		19152	USSR	20 FEB	01 DEC 88	
1987-020BM		19153	USSR	20 FEB	29 MAR 90	
1987-020BN		19155	USSR	20 FEB	13 OCT 88	
1987-020BP		19159	USSR	20 FEB	10 MAR 89	
1987-020BQ		19179	USSR	20 FEB	01 OCT 88	
1987-020BR		19180	USSR	20 FEB	27 DEC 88	
1987-020BS		19184	USSR	20 FEB	14 JUN 90	
1987-020BT		19186	USSR	20 FEB	01 FEB 91	
1987-020BU		19188	USSR	20 FEB	23 APR 89	
		19247	USSR	20 FEB	26 JUN 89	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1987-020BV		19249	USSR	20 FEB	14 AUG 88	
1987-020BX		19392	USSR	20 FEB	20 MAY 90	
1987-020BY		19394	USSR	20 FEB	23 FEB 90	
1987-020BZ		19437	USSR	20 FEB	18 APR 92	
1987-020CB		19452	USSR	20 FEB	23 FEB 90	
1987-020CC		19456	USSR	20 FEB	04 NOV 88	
1987-020CD		19562	USSR	20 FEB	28 OCT 88	
1987-020CH		19644	USSR	20 FEB	25 MAY 90	
1987-020CI		19645	USSR	20 FEB	01 JAN 89	
1987-020CJ		19815	USSR	20 FEB	06 AUG 89	
1987-020CK		19833	USSR	20 FEB	21 DEC 89	
1987-020CL		19836	USSR	20 FEB	26 OCT 89	
1987-020CM		19837	USSR	20 FEB	11 JUL 89	
1987-020CN		19839	USSR	20 FEB	01 APR 89	
1987-020CP		19840	USSR	20 FEB	24 NOV 89	
1987-020CQ		19854	USSR	20 FEB	23 JUL 89	
1987-020CR		19861	USSR	20 FEB	26 SEP 89	
1987-020CS		19888	USSR	20 FEB	02 AUG 89	
1987-020CT		19890	USSR	20 FEB	13 OCT 89	
1987-020CU		19955	USSR	20 FEB	17 JUL 89	
1987-020CV		19957	USSR	20 FEB	21 DEC 89	
1987-020CW		19982	USSR	20 FEB	28 MAR 91	
1987-020CX		20003	USSR	20 FEB	28 JAN 90	
1987-020CY		20004	USSR	20 FEB	10 JUL 90	
1987-020CZ		20019	USSR	20 FEB	08 SEP 89	
1987-020DA		20020	USSR	20 FEB	17 JAN 91	
1987-020DB		20092	USSR	20 FEB	13 JUN 90	
1987-020DC		20126	USSR	20 FEB	13 AUG 90	
1987-020DD		20130	USSR	20 FEB	18 AUG 90	
1987-020DE		20154	USSR	20 FEB	13 AUG 90	
1987-020DF		20155	USSR	20 FEB	16 MAY 90	
1987-020DG		20198	USSR	20 FEB	13 OCT 89	
1987-020DH		20199	USSR	20 FEB	30 MAR 91	
1987-020DJ		20201	USSR	20 FEB	25 AUG 90	
1987-020DK		20225	USSR	20 FEB	17 JUL 90	
1987-020DL		20226	USSR	20 FEB	12 OCT 91	
1987-020DN		20228	USSR	20 FEB	17 FEB 91	
1987-020DQ		20454	USSR	20 FEB	01 NOV 89	
1987-020K		18732	USSR	20 FEB	21 FEB 90	
1987-020M		18734	USSR	20 FEB	02 MAR 91	
1987-020N		18735	USSR	20 FEB	21 NOV 92	
1987-020S		18739	USSR	20 FEB	29 JUL 89	
1987-020T		18740	USSR	20 FEB	18 FEB 91	
1987-020U		18741	USSR	20 FEB	27 FEB 92	
1987-020V		18743	USSR	20 FEB	22 MAR 89	
1987-020W		18228	USSR	20 FEB	11 JAN 89	
1986-019RM		17559	ESA	22 FEB	19 JUL 89	
1987-021A	COSMOS 1824	17560	USSR	26 FEB	22 APR 87	
1987-021B		17564	USSR	26 FEB	04 MAR 87	
1987-023A	PROGRESS 28	17565	USSR	03 MAR	28 MAR 87	
1987-023B		17577	USSR	11 MAR	06 MAR 87	
1987-025A	COSMOS 1826	17578	USSR	11 MAR	25 MAR 87	
1987-025B		17579	USSR	11 MAR	25 MAR 87	
1987-025C		17580	USSR	11 MAR	17 MAR 87	
1987-025D		17581	USSR	11 MAR	16 MAR 87	
1987-025E		17585	USSR	11 MAR	17 MAR 87	
1987-025F			USSR	11 MAR	30 JUN 87	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1987-025G		17786	USSR	11 MAR	30 AUG 88	
1987-025H		17787	USSR	11 MAR	08 APR 87	
1987-025J		17788	USSR	11 MAR	16 SEP 87	
1987-025K		17789	USSR	11 MAR	21 NOV 87	
1987-025L		17790	USSR	11 MAR	03 MAY 87	
1987-025M		17791	USSR	11 MAR	18 APR 87	
1987-028B		17612	USSR	11 MAR	22 MAR 87	
1987-028C		17613	USSR	19 MAR	19 MAR 87	
1987-028E		17709	USSR	19 MAR	30 NOV 91	
1987-028F		17710	USSR	19 MAR	30 SEP 87	
1987-029B		17707	US	20 MAR	23 APR 87	
1987-029C		17708	INDNSA	20 MAR	18 DEC 89	
1987-030B		17846	USSR	31 MAR	04 APR 87	
1987-030C		17851	USSR	31 MAR	25 AUG 88	
1987-031A		17847	USSR	08 APR	14 OCT 88	
1987-031B	COSMOS 1834	17848	USSR	08 APR	08 APR 87	
1987-032A	COSMOS 1835	17849	USSR	09 APR	14 APR 87	
1987-032B		17850	USSR	09 APR	02 DEC 87	
1987-033A	COSMOS 1836	17876	USSR	16 APR	04 JUN 87	
1987-033B		17877	USSR	16 APR	14 APR 87	
1987-033C		18028	USSR	16 APR	20 DEC 87	
1987-033D		18587	USSR	16 APR	20 JUN 87	
1987-033E		18588	USSR	16 APR	03 DEC 87	
1987-034A	PROGRESS 29	17878	USSR	21 APR	11 MAY 87	
1987-034B		17879	USSR	21 APR	24 APR 87	
1987-035A	COSMOS 1837	17880	USSR	22 APR	28 APR 87	
1987-035B		17881	USSR	22 APR	24 APR 87	
1987-035C		17914	USSR	22 APR	18 MAY 87	
1987-035D		17915	USSR	22 APR	30 APR 87	
1987-035E		17916	USSR	22 APR	02 MAY 87	
1987-035F		17917	USSR	22 APR	08 MAY 87	
1987-035G		17918	USSR	22 APR	02 MAY 87	
1987-036A	COSMOS 1838	17902	USSR	24 APR	15 MAY 91	
1987-036B	COSMOS 1839	17903	USSR	24 APR	08 MAY 91	
1987-036C	COSMOS 1840	17904	USSR	24 APR	14 SEP 91	
1987-036D		17905	USSR	24 APR	25 APR 87	
1987-036E		17906	USSR	24 APR	27 APR 87	
1987-036F		17909	USSR	24 APR	12 AUG 87	
1987-036G		17910	USSR	24 APR	12 APR 91	
1987-036H		17913	USSR	24 APR	22 NOV 91	
1987-036J		17962	USSR	24 APR	28 OCT 87	
1987-037A	COSMOS 1841	17907	USSR	24 APR	08 MAY 87	
1987-037B		17908	USSR	24 APR	22 MAY 87	
1987-037C		17964	USSR	24 APR	09 MAY 87	
1987-037D		17965	USSR	24 APR	04 JUL 87	
1987-037E		17966	USSR	24 APR	21 MAY 87	
1987-037F		17967	USSR	24 APR	24 MAY 87	
1987-037G		17968	USSR	24 APR	11 JUN 87	
1987-039A	COSMOS 1843	17940	USSR	05 MAY	19 MAY 87	
1987-039B		17941	USSR	05 MAY	13 MAY 87	
1987-039C		17963	USSR	05 MAY	07 MAY 87	
1987-039D		18001	USSR	05 MAY	28 AUG 87	
1987-039E		18002	USSR	05 MAY	11 JUL 88	
1987-039F		18003	USSR	05 MAY	06 NOV 87	
1987-039G		18022	USSR	05 MAY	22 NOV 87	
1987-040B		17970	USSR	11 MAY	14 MAY 87	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1987-040C	COSMOS 1845	17971	USSR	11 MAY	12 MAY 87	
1987-042A		17975	USSR	13 MAY	27 MAY 87	
1987-042B		17976	USSR	13 MAY	01 JUN 87	
1987-042C		18013	USSR	13 MAY	25 OCT 87	
1987-042D		18014	USSR	13 MAY	16 AUG 88	
1987-042E		18015	USSR	13 MAY	24 NOV 87	
1987-042F		18016	USSR	13 MAY	22 JUN 87	
1987-042G		18019	USSR	13 MAY	04 DEC 87	
1987-042H		18020	USSR	13 MAY	14 SEP 87	
1987-042J		18023	USSR	13 MAY	20 SEP 87	
1987-044A	PROGRESS 30	17999	USSR	19 MAY	19 JUL 87	
1987-044B	COSMOS 1846	18000	USSR	19 MAY	22 MAY 87	
1987-045A		18004	USSR	21 MAY	04 JUN 87	
1987-045B		18005	USSR	21 MAY	26 MAY 87	
1987-045C		18006	USSR	21 MAY	22 MAY 87	
1987-045D		18087	USSR	21 MAY	11 JUN 87	
1987-045E		18088	USSR	21 MAY	11 JUN 87	
1987-045F		18089	USSR	21 MAY	12 SEP 87	
1987-045G		18090	USSR	21 MAY	14 JUN 87	
1987-045H		18091	USSR	21 MAY	04 AUG 87	
1987-045J		18092	USSR	21 MAY	15 JUL 87	
1987-045K	COSMOS 1847	18093	USSR	21 MAY	19 JUL 87	
1987-045L		18094	USSR	21 MAY	05 JAN 88	
1987-046A		18011	USSR	26 MAY	22 JUL 87	
1987-046B		18012	USSR	26 MAY	30 MAY 87	
1987-047A		18017	USSR	28 MAY	11 JUN 87	
1987-047B		18018	USSR	28 MAY	12 JUN 87	
1987-047C		18021	USSR	28 MAY	30 MAY 87	
1987-047D		18097	USSR	28 MAY	25 JUN 87	
1987-047E		18098	USSR	28 MAY	05 NOV 87	
1987-047F		18099	USSR	28 MAY	13 AUG 87	
1987-047G	COSMOS 1848	18100	USSR	28 MAY	18 NOV 87	
1987-047H		18101	USSR	28 MAY	19 SEP 87	
1987-047J		18102	USSR	28 MAY	29 SEP 88	
1987-047K		18107	USSR	28 MAY	18 JUL 87	
1987-047L		18108	USSR	28 MAY	19 SEP 87	
1987-047M		18109	USSR	28 MAY	20 SEP 87	
1987-047N		18110	USSR	28 MAY	27 JUN 87	
1987-047P		18124	USSR	28 MAY	02 AUG 87	
1987-047Q		18125	USSR	28 MAY	17 JUL 87	
1987-047R		18126	USSR	28 MAY	10 JUL 87	
1987-047S	COSMOS 1863	18189	USSR	28 MAY	12 JUL 87	
1987-047T		18190	USSR	28 MAY	12 JUL 87	
1987-048B		18084	USSR	04 JUN	30 JUN 87	
1987-048C		18085	USSR	04 JUN	15 AUG 87	
1987-050B		18104	USSR	12 JUN	15 AUG 87	
1987-050C		18105	USSR	12 JUN	22 JUL 87	
1987-052B		18239	USSR	18 JUN	02 AUG 87	
1987-052C		18240	USSR	18 JUN	16 SEP 87	
1987-056A		18155	USSR	04 JUL	18 JUL 87	
1987-056B		18156	USSR	04 JUL	18 JUL 87	
1987-056D	COSMOS 1863	18158	USSR	04 JUL	07 JUL 87	
1987-056E		18216	USSR	04 JUL	20 AUG 87	
1987-056F		18217	USSR	04 JUL	13 NOV 87	
1987-056G		18218	USSR	04 JUL	23 JAN 88	
1987-056H		18219	USSR	04 JUL	08 OCT 87	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1987-056J		18220	USSR	04 JUL	09 AUG 87	
1987-056K		18221	USSR	04 JUL	23 AUG 87	
1987-056L		18224	USSR	04 JUL	07 OCT 88	
1987-057C		18157	USSR	06 JUL	08 JUL 87	
1987-058A	COSMOS 1865	18162	USSR	08 JUL	14 AUG 87	
1987-058B		18163	USSR	08 JUL	16 JUL 87	
1987-059A		18184	USSR	09 JUL	06 NOV 87	
1987-059B	COSMOS 1866	18185	USSR	09 JUL	15 JUL 87	
1987-059C		18186	USSR	09 JUL	10 JUL 87	
1987-059D		18285	USSR	09 JUL	19 AUG 87	
1987-059E		18286	USSR	09 JUL	28 AUG 87	
1987-059F		18287	USSR	09 JUL	18 AUG 87	
1987-059G		18288	USSR	09 JUL	17 SEP 87	
1987-059H		18308	USSR	09 JUL	20 SEP 87	
1987-059J		18309	USSR	09 JUL	16 OCT 87	
1987-059K		18310	USSR	09 JUL	12 OCT 87	
1987-059L		18311	USSR	09 JUL	10 OCT 87	
1987-060B		18188	USSR	10 JUL	11 JUL 87	
1987-060C		18191	USSR	10 JUL	11 FEB 90	
1987-060D		18524	USSR	10 JUL	14 MAY 90	
1987-061A	COSMOS 1868	18192	USSR	14 JUL	02 MAR 89	
1987-061B		18193	USSR	14 JUL	30 AUG 88	
1987-063A	SOYUZ TM-3	18222	USSR	22 JUL	29 DEC 87	
1987-063B		18223	USSR	22 JUL	24 JUL 87	
1987-063C		18723	USSR	22 JUL	17 JUN 88	
1987-064A	COSMOS 1870	18225	USSR	25 JUL	29 JUL 89	
1987-064B		18226	USSR	25 JUL	27 JUL 87	
1987-064C		18227	USSR	25 JUL	26 JUL 87	
1987-065A	COSMOS 1871	18259	USSR	01 AUG	10 AUG 87	
1987-065B		18260	USSR	01 AUG	03 AUG 87	
1987-066A	PROGRESS 31	18283	USSR	03 AUG	23 SEP 87	
1987-066B		18284	USSR	03 AUG	07 AUG 87	
1987-067A	PRC 20	18306	PRC	05 AUG	23 AUG 87	
1987-067B		18307	PRC	05 AUG	21 AUG 87	
1987-069A	COSMOS 1872	18314	USSR	19 AUG	30 AUG 87	
1987-069B		18315	USSR	19 AUG	26 AUG 87	
1987-069C		18321	USSR	19 AUG	10 SEP 87	
1987-069D		18322	USSR	19 AUG	01 SEP 87	
1987-069E		18323	USSR	19 AUG	31 AUG 87	
1987-069F		18324	USSR	19 AUG	07 SEP 87	
1987-069G		18325	USSR	19 AUG	01 SEP 87	
1987-070B		18317	JAPAN	27 AUG	28 AUG 87	
1987-070C		18320	JAPAN	27 AUG	12 JUN 88	
1987-071A	COSMOS 1873	18318	USSR	28 AUG	14 SEP 87	
1987-071B		18319	USSR	28 AUG	02 SEP 87	
1987-072A	COSMOS 1874	18326	USSR	03 SEP	17 SEP 87	
1987-072B		18327	USSR	03 SEP	11 SEP 87	
1987-072C		18368	USSR	03 SEP	12 OCT 87	
1987-072D		18369	USSR	03 SEP	19 SEP 87	
1987-072E		18370	USSR	03 SEP	20 SEP 87	
1987-072F		18371	USSR	03 SEP	25 SEP 87	
1987-073B		18329	USSR	04 SEP	06 SEP 87	
1987-073C		18330	USSR	04 SEP	04 SEP 87	
1987-073F		18333	USSR	04 SEP	05 JUL 88	
1987-075A	PRC 21	18341	PRC	09 SEP	04 OCT 87	
1987-075B		18342	PRC	09 SEP	24 SEP 87	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1987-075C		18372	PRC	09 SEP	23 SEP 87	
1987-075D		18373	PRC	09 SEP	20 SEP 87	
1987-076A	COSMOS 1881	18343	USSR	11 SEP	30 MAR 88	
1987-076B		18344	USSR	11 SEP	15 SEP 87	
1987-076C		19021	USSR	11 SEP	01 APR 88	
1987-076D		19035	USSR	11 SEP	02 APR 88	
1987-077A	COSMOS 1882	18348	USSR	15 SEP	06 OCT 87	
1987-077B		18349	USSR	15 SEP	17 SEP 87	
1987-077C		18389	USSR	15 SEP	17 OCT 87	
1987-077D		18390	USSR	15 SEP	12 OCT 87	
1987-077E		18391	USSR	15 SEP	10 OCT 87	
1987-077F		18392	USSR	15 SEP	05 NOV 87	
1987-077G		18393	USSR	15 SEP	11 OCT 87	
1974-089Ez		18359	USSR	16 SEP	16 SEP 87	
1987-078C		18352	ESA	16 SEP	21 JUN 91	
1987-078D		18353	ESA	16 SEP	08 OCT 88	
1987-079D		18358	USSR	16 SEP	16 SEP 87	
1987-080D		18364	US	16 SEP	02 FEB 89	
1987-081A	COSMOS 1886	18366	USSR	17 SEP	02 NOV 87	
1987-081B		18367	USSR	17 SEP	22 SEP 87	
1987-081C		18449	USSR	17 SEP	02 NOV 87	
1987-082A	PROGRESS 32	18376	USSR	23 SEP	02 NOV 87	
1987-082B		18377	USSR	23 SEP	26 SEP 87	
1987-083A	COSMOS 1887	18380	USSR	29 SEP	12 OCT 87	
1987-083B		18381	USSR	29 SEP	19 OCT 87	
1987-083C		18398	USSR	29 SEP	08 NOV 87	
1987-083D		18399	USSR	29 SEP	05 NOV 87	
1987-083E		18400	USSR	29 SEP	21 OCT 87	
1987-083F		18401	USSR	29 SEP	28 OCT 87	
1987-084B		18385	USSR	01 OCT	04 OCT 87	
1987-084C		18386	USSR	01 OCT	02 OCT 87	
1987-084E		18388	USSR	01 OCT	16 JUL 91	
1987-084F		18420	USSR	01 OCT	06 JUN 88	
1987-085A	COSMOS 1889	18394	USSR	09 OCT	23 OCT 87	
1987-085B		18395	USSR	09 OCT	25 OCT 87	
1987-085C		18436	USSR	09 OCT	28 FEB 88	
1987-085D		18437	USSR	09 OCT	31 JAN 88	
1987-085E		18438	USSR	09 OCT	30 NOV 87	
1987-085F		18439	USSR	09 OCT	23 DEC 87	
1987-085G		18440	USSR	09 OCT	10 OCT 88	
1987-085H		18567	USSR	09 OCT	27 NOV 87	
1987-086A	COSMOS 1890	18396	USSR	10 OCT	26 DEC 88	
1987-086B		18397	USSR	10 OCT	11 OCT 87	
1987-089A	COSMOS 1893	18432	USSR	22 OCT	16 DEC 87	
1987-089B		18433	USSR	22 OCT	26 OCT 87	
1987-090B		18442	US	26 OCT	27 OCT 87	
1987-091B		18444	USSR	28 OCT	31 OCT 87	
1987-091C		18445	USSR	28 OCT	09 MAR 88	
1987-091E		18447	USSR	28 OCT	26 NOV 87	
1987-092A	COSMOS 1895	18491	USSR	11 NOV	25 NOV 87	
1987-092B		18492	USSR	11 NOV	28 NOV 87	
1987-092C		18572	USSR	11 NOV	27 NOV 87	
1987-092D		18573	USSR	11 NOV	04 DEC 87	
1987-092E		18574	USSR	11 NOV	29 NOV 87	
1987-092F		18581	USSR	11 NOV	27 NOV 87	
1987-092G		18582	USSR	11 NOV	27 NOV 87	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1987-093A	COSMOS 1896	18535	USSR	14 NOV	25 DEC 87	
1987-093B		18536	USSR	14 NOV	20 NOV 87	
1987-093C		18537	USSR	14 NOV	15 NOV 87	
1987-094A	PROGRESS 33	18568	USSR	20 NOV	19 DEC 87	
1987-094B		18569	USSR	20 NOV	23 NOV 87	
1987-096B		18576	USSR	26 NOV	28 NOV 87	
1987-096C		18577	USSR	26 NOV	27 NOV 87	
1987-096E		18579	USSR	26 NOV	12 JUL 89	
1987-096F		18580	USSR	26 NOV	18 AUG 88	
1987-099A	COSMOS 1899	18625	USSR	07 DEC	21 DEC 87	
1987-099B		18626	USSR	07 DEC	13 DEC 87	
1987-099C		18627	USSR	07 DEC	08 DEC 87	
1987-099D		18705	USSR	07 DEC	15 JAN 88	
1987-099E		18706	USSR	07 DEC	23 DEC 87	
1987-099F		18707	USSR	07 DEC	22 DEC 87	
1987-099G		18708	USSR	07 DEC	27 DEC 87	
1987-100B		18632	USSR	10 DEC	13 DEC 87	
1987-100C		18633	USSR	10 DEC	11 DEC 87	
1987-100E		18635	USSR	10 DEC	07 MAY 91	
1987-100F		18636	USSR	10 DEC	05 JUL 90	
1987-101B		19553	USSR	12 DEC	01 OCT 88	
1987-101C		19589	USSR	12 DEC	03 NOV 88	
1987-102A	COSMOS 1901	18666	USSR	14 DEC	03 FEB 88	
1987-102B		18667	USSR	14 DEC	20 DEC 87	
1987-103A	COSMOS 1902	18668	USSR	15 DEC	30 DEC 88	
1987-103B		18669	USSR	15 DEC	21 SEP 88	
1987-104A	SOYUZ TM-4	18699	USSR	21 DEC	17 JUN 88	
1987-104B		18700	USSR	21 DEC	23 DEC 87	
1987-104C		19225	USSR	21 DEC	05 NOV 88	
1987-104D		19251	USSR	21 DEC	05 JUL 88	
1987-104E		19253	USSR	21 DEC	19 JUN 88	
1987-104F		19254	USSR	21 DEC	27 JUN 88	
1987-104G		19255	USSR	21 DEC	09 JUL 88	
1987-105B		18702	USSR	21 DEC	09 FEB 88	
1987-105C		18703	USSR	21 DEC	12 JAN 88	
1987-105E	COSMOS 1905	18977	USSR	21 DEC	27 MAR 88	
1987-107A		18711	USSR	25 DEC	08 JAN 88	
1987-107B		18712	USSR	25 DEC	01 JAN 88	
1987-107C		18759	USSR	25 DEC	12 JAN 88	
1987-107D		18760	USSR	25 DEC	03 FEB 88	
1987-107E		18761	USSR	25 DEC	15 JAN 88	
1987-107F		18762	USSR	25 DEC	13 JAN 88	
1987-107G		18763	USSR	25 DEC	10 JAN 88	
1987-108A	COSMOS 1906	18713	USSR	26 DEC	13 MAR 88	
1987-108AA		18888	USSR	26 DEC	07 MAR 88	
1987-108AB		18892	USSR	26 DEC	02 APR 88	
1987-108AC		18893	USSR	26 DEC	06 APR 88	
1987-108AD		18894	USSR	26 DEC	25 MAR 88	
1987-108AE		18895	USSR	26 DEC	12 MAR 88	
1987-108AF		18896	USSR	26 DEC	28 MAY 88	
1987-108AG		18897	USSR	26 DEC	11 MAR 88	
1987-108AH		18898	USSR	26 DEC	30 MAR 88	
1987-108AJ		18899	USSR	26 DEC	06 APR 88	
1987-108AK		18900	USSR	26 DEC	12 MAR 88	
1987-108AL		18950	USSR	26 DEC	20 MAR 88	
1987-108AM		18972	USSR	26 DEC	23 MAY 88	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1987-108AN		18973	USSR	26 DEC	20 MAR 88	
1987-108AP		18974	USSR	26 DEC	12 APR 88	
1987-108B		18714	USSR	26 DEC	29 DEC 87	
1987-108C		18825	USSR	26 DEC	19 FEB 88	
1987-108D		18826	USSR	26 DEC	28 FEB 88	
1987-108E		18827	USSR	26 DEC	23 FEB 88	
1987-108F		18828	USSR	26 DEC	01 APR 88	
1987-108G		18829	USSR	26 DEC	02 MAR 88	
1987-108H		18830	USSR	26 DEC	11 FEB 88	
1987-108J		18831	USSR	26 DEC	13 FEB 88	
1987-108K		18832	USSR	26 DEC	05 MAR 88	
1987-108L		18833	USSR	26 DEC	07 APR 88	
1987-108M		18834	USSR	26 DEC	26 MAY 88	
1987-108N		18835	USSR	26 DEC	19 MAR 88	
1987-108P		18836	USSR	26 DEC	27 FEB 88	
1987-108Q		18837	USSR	26 DEC	01 JUN 88	
1987-108R		18838	USSR	26 DEC	09 FEB 88	
1987-108S		18839	USSR	26 DEC	20 MAR 88	
1987-108T		18840	USSR	26 DEC	02 MAR 88	
1987-108U		18841	USSR	26 DEC	13 FEB 88	
1987-108V		18842	USSR	26 DEC	22 FEB 88	
1987-108W		18843	USSR	26 DEC	20 MAR 88	
1987-108X		18844	USSR	26 DEC	13 FEB 88	
1987-108Y		18862	USSR	26 DEC	28 FEB 88	
1987-108Z		18863	USSR	26 DEC	30 DEC 87	
1987-109B		18716	USSR	27 DEC	26 OCT 88	
1987-109C		18717	USSR	27 DEC	12 JAN 88	
1987-109F		18722	USSR	27 DEC	01 JAN 88	
1987-110A		18720	USSR	29 DEC	26 FEB 88	
1987-110B		18721	USSR	29 DEC	08 MAY 88	
1987-110C		18724	USSR	29 DEC	06 DEC 88	
1987-110D		18768	USSR	29 DEC	09 APR 88	
1987-110E		18769	USSR	29 DEC	30 MAR 88	
1987-110F		18770	USSR	29 DEC	28 FEB 88	
1987-110G		18771	USSR	29 DEC	28 FEB 88	
1987-110H		18772	USSR	29 DEC	28 FEB 88	
1987-110J		18808	USSR	29 DEC	28 FEB 88	
1988 LAUNCHES						
1988-003A	PROGRESS 34	18795	USSR	20 JAN	04 MAR 88	
1988-003B		18796	USSR	20 JAN	23 JAN 88	
1988-004A	COSMOS 1915	18809	USSR	26 JAN	09 FEB 88	
1988-004B		18810	USSR	26 JAN	07 FEB 88	
1988-004C		18850	USSR	26 JAN	10 APR 88	
1988-004D		18851	USSR	26 JAN	17 FEB 88	
1988-004E		18852	USSR	26 JAN	21 FEB 88	
1988-004F		18853	USSR	26 JAN	23 FEB 88	
1988-006B		18845	US	03 FEB	29 OCT 92	
1988-006C		18846	US	03 FEB	12 MAR 92	
1988-006E		18956	US	03 FEB	02 FEB 89	
1988-007A	COSMOS 1916	18823	USSR	03 FEB	29 FEB 88	
1988-007B		18824	USSR	03 FEB	09 FEB 88	
1988-008A		18847	US	08 FEB	01 MAR 88	
1988-008B		18848	US	08 FEB	02 APR 88	
1988-008C		18849	US	08 FEB	05 MAR 88	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1988-008D		18854		US	08 FEB	13 FEB 88	
1988-009A	COSMOS 1917-19	18857		USSR	17 FEB	17 FEB 88	
1988-009B		18858		USSR	17 FEB	19 FEB 88	
1988-009C		18859		USSR	17 FEB	20 FEB 88	
1988-010A	COSMOS 1920	18860		USSR	18 FEB	09 MAR 88	
1988-010B		18861		USSR	18 FEB	20 FEB 88	
1988-010C		18924		USSR	18 FEB	11 MAR 88	
1988-010D		18925		USSR	18 FEB	10 MAR 88	
1988-010E		18926		USSR	18 FEB	06 APR 88	
1988-010F		18930		USSR	18 FEB	08 APR 88	
1988-010G		18933		USSR	18 FEB	02 JUL 88	
1988-010H		18934		USSR	18 FEB	28 MAR 88	
1988-010J		18935		USSR	18 FEB	26 MAR 88	
1988-010K		19464		USSR	19 FEB	02 JAN 89	
1984-012G		18875		USSR	19 FEB	04 MAR 88	
1988-011A	COSMOS 1921	18876		USSR	19 FEB	04 MAR 88	
1988-011B		18880		USSR	19 FEB	21 FEB 88	
1988-011C		18916		USSR	19 FEB	29 MAY 88	
1988-011D		18917		USSR	19 FEB	22 JUN 88	
1988-011E		18918		USSR	19 FEB	15 APR 88	
1988-011F		18919		USSR	19 FEB	05 JUN 88	
1988-011G		18920		USSR	19 FEB	19 APR 88	
1988-011H		18921		USSR	19 FEB	26 FEB 88	
1988-011J		18928		USSR	19 FEB	05 APR 88	
1988-012B		18878		JAPAN	26 FEB	25 MAR 88	
1988-013B		18882		USSR	26 FEB	07 APR 88	
1988-013D		18884		USSR	26 FEB	22 JUL 89	
1988-013E		19004		USSR	07 MAR	22 MAR 88	
1988-014B		18923		PRC	10 MAR	16 MAR 88	
1988-015A	COSMOS 1923	18931		USSR	10 MAR	11 MAR 88	
1988-015B		18932		USSR	10 MAR	01 APR 88	
1988-015C		18936		USSR	10 MAR	24 MAR 88	
1988-015D		18987		USSR	10 MAR	23 MAR 88	
1988-015E		18988		USSR	10 MAR	25 MAR 88	
1988-015F		18989		USSR	10 MAR	27 MAR 88	
1988-015G		18990		USSR	10 MAR	07 APR 88	
1988-015H		18991		USSR	11 MAR	09 APR 88	
1988-017B		18947		USSR	11 MAR	01 FEB 89	
1988-017C		18948		USSR	11 MAR	29 JUN 88	
1988-018D		18954		ESA	14 MAR	24 MAY 88	
1988-019B		19160		USSR	14 MAR	03 NOV 88	
1988-019C		19161		USSR	14 MAR	28 APR 88	
1988-019E		19517		USSR	17 MAR	10 APR 88	
1988-022B		18981		USSR	17 MAR	06 JUL 88	
1988-022C		18982		USSR	17 MAR	05 MAY 88	
1988-022E		19187		USSR	23 MAR	26 MAR 88	
1988-024A	PROGRESS 35	18992		USSR	23 MAR	05 MAY 88	
1988-024B		18993		USSR	23 MAR	05 MAY 88	
1988-024C		19089		USSR	24 MAR	08 APR 88	
1988-025A	COSMOS 1935	19011		USSR	24 MAR	27 MAR 88	
1988-025B		19012		USSR	24 MAR	08 APR 88	
1988-025C		19040		USSR	24 MAR	06 DEC 88	
1988-026A	SM-D	19013		ITALY	25 MAR	16 JUN 88	
1988-026B		19014		US	25 MAR	18 MAY 88	
1988-027A	COSMOS 1936	19015		USSR	30 MAR	02 APR 88	
1988-027B		19016		USSR	30 MAR	31 MAR 88	
1988-027C		19022		USSR	30 MAR		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1988-027D		19129		USSR	30 MAR	18 MAY 88	
1988-027E		19130		USSR	30 MAR	18 MAY 88	
1988-028B		19018		USSR	31 MAR	02 APR 88	
1988-028C		19019		USSR	31 MAR	31 MAR 88	
1988-030A	COSMOS 1938	19041		USSR	11 APR	25 APR 88	
1988-030B		19042		USSR	11 APR	16 APR 88	
1988-030C		19065		USSR	11 APR	29 APR 88	
1988-030D		19066		USSR	11 APR	29 APR 88	
1988-030E		19067		USSR	11 APR	07 MAY 88	
1988-030F		19069		USSR	11 APR	29 APR 88	
1988-030G		19068		USSR	11 APR	30 APR 88	
1988-031A	FOTON 1	19043		USSR	14 APR	28 APR 88	
1988-031B		19044		USSR	14 APR	29 APR 88	
1988-031C		19084		USSR	14 APR	29 APR 88	
1988-031D		19085		USSR	14 APR	05 MAY 88	
1988-031E		19086		USSR	14 APR	15 MAY 88	
1988-031F		19088		USSR	14 APR	05 MAY 88	
1988-034B		19074		USSR	26 APR	28 APR 88	
1988-034C		19075		USSR	27 APR	26 APR 88	
1988-035A	COSMOS 1941	19079		USSR	27 APR	11 MAY 88	
1988-035B		19080		USSR	27 APR	02 MAY 88	
1988-035C		19081		USSR	27 APR	27 APR 88	
1988-035D		19087		USSR	27 APR	27 APR 88	
1988-035E		19096		USSR	27 APR	03 MAY 88	
1988-035F		19097		USSR	27 APR	22 MAY 88	
1988-035G		19098		USSR	27 APR	14 MAY 88	
1988-035H		19099		USSR	27 APR	13 MAY 88	
1988-035J		19100		USSR	27 APR	16 MAY 88	
1988-036B		19091		USSR	06 MAY	08 MAY 88	
1988-036C		19092		USSR	06 MAY	06 MAY 88	
1988-036D		19093		USSR	06 MAY	04 MAY 90	
1988-036F		19095		USSR	06 MAY	16 JUL 89	
1988-037A	COSMOS 1942	19115		USSR	12 MAY	04 JUL 88	
1988-037B		19116		USSR	12 MAY	16 MAY 88	
1988-037C		19273		USSR	12 MAY	05 JUL 88	
1988-038A	PROGRESS 36	19117		USSR	13 MAY	05 JUN 88	
1988-038B		19118		USSR	13 MAY	15 MAY 88	
1988-041A	COSMOS 1944	19123		USSR	18 MAY	23 JUN 88	
1988-041B		19124		USSR	18 MAY	24 MAY 88	
1988-042A	COSMOS 1945	19131		USSR	19 MAY	31 MAY 88	
1988-042B		19132		USSR	19 MAY	01 JUN 88	
1988-042C		19199		USSR	19 MAY	03 JUN 88	
1988-042D		19200		USSR	19 MAY	04 JUN 88	
1988-042E		19201		USSR	19 MAY	10 JUN 88	
1988-042F		19202		USSR	19 MAY	01 JUN 88	
1988-042G		19203		USSR	19 MAY	02 JUN 88	
1988-043D		19166		USSR	21 MAY	22 MAY 88	
1988-043E		19167		USSR	21 MAY	21 MAY 88	
1988-044C		19191		USSR	26 MAY	07 JUL 88	
1988-044D		19192		USSR	26 MAY	28 JUN 88	
1988-044E		19239		USSR	26 MAY	13 JUL 88	
1988-044F		19434		USSR	26 MAY	23 SEP 88	
1988-044G		19457		USSR	26 MAY	09 OCT 88	
1988-044H		19481		USSR	26 MAY	13 OCT 88	
1988-045A	COSMOS 1949	19193		USSR	28 MAY	23 APR 90	
1988-045B		19194		USSR	28 MAY	28 MAY 88	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECEASED OBJECTS	LAUNCH	DECAY	NOTES
1988-047A	COSMOS 1951	19197	USSR	31 MAY	14 JUN 88	
1988-047B		19198	USSR	31 MAY	03 JUN 88	
1988-047C		19212	USSR	31 MAY	17 JUL 88	
1988-047D		19213	USSR	31 MAY	19 JUN 88	
1988-047E		19214	USSR	31 MAY	17 JUN 88	
1986-017L	SOYUZ TM-5	19386	USSR	07 JUN	06 NOV 88	
1988-048A		19204	USSR	07 JUN	07 SEP 88	
1988-048B		19205	USSR	07 JUN	09 JUN 88	
1988-049A	COSMOS 1952	19206	USSR	11 JUN	25 JUN 88	
1988-049B		19207	USSR	11 JUN	17 JUN 88	
1988-049C		19208	USSR	11 JUN	12 JUN 88	
1988-049D		19209	USSR	11 JUN	12 JUN 88	
1988-049E		19265	USSR	11 JUN	02 JUL 88	
1988-049F		19266	USSR	11 JUN	26 JUN 88	
1988-049G		19267	USSR	11 JUN	28 JUN 88	
1988-049H		19268	USSR	11 JUN	30 JUN 88	
1988-049J		19269	USSR	11 JUN	27 JUN 88	
1988-049K		19270	USSR	11 JUN	08 MAR 89	
1988-052B		19224	US	16 JUN	18 JUN 88	
1988-052C		19252	US	16 JUN	29 OCT 88	
1988-052D		19298	US	16 JUN	15 SEP 88	
1988-052E		19389	USSR	22 JUN	20 AUG 88	
1988-054A	COSMOS 1955	19258	USSR	22 JUN	27 JUN 88	
1988-054B		19259	USSR	22 JUN	23 JUN 88	
1988-054C		19262	USSR	23 JUN	07 JUL 88	
1988-055A	COSMOS 1956	19263	USSR	23 JUN	05 AUG 88	
1988-055A		19286	USSR	23 JUN	25 JUN 88	
1988-055B		19264	USSR	23 JUN	08 NOV 88	
1988-055C		19278	USSR	23 JUN	23 AUG 88	
1988-055D		19279	USSR	23 JUN	31 AUG 88	
1988-055E		19280	USSR	23 JUN	13 JUL 88	
1988-055F		19284	USSR	23 JUN	05 AUG 88	
1988-055G		19285	USSR	23 JUN	29 JUN 89	
1988-057A	COSMOS 1957	20096	USSR	27 JUN	21 JUL 88	
1988-057B		19276	USSR	07 JUL	09 JUL 88	
1988-057C		19277	USSR	07 JUL	30 JUL 88	
1988-057D		19326	USSR	07 JUL	27 JUL 88	
1988-057E		19327	USSR	07 JUL	24 JUL 88	
1988-057F		19328	USSR	07 JUL	22 JUL 88	
1988-058C		19329	USSR	07 JUL	08 JUL 88	
1988-059C		19283	USSR	12 JUL	13 JUL 88	
1988-059D		19289	USSR	12 JUL	13 JUL 88	
1988-060A	COSMOS 1958	19292	USSR	14 JUL	21 MAR 89	
1988-060B		19320	USSR	14 JUL	07 JAN 89	
1988-061A	PROGRESS 37	19321	USSR	18 JUL	12 AUG 88	
1988-061B		19322	USSR	18 JUL	21 JUL 88	
1988-057G		19323	USSR	21 JUL	20 AUG 88	
1988-057H		19333	USSR	21 JUL	23 JUL 88	
1988-063D		19334	ESA	21 JUL	12 JUL 89	
1988-065A	COSMOS 1960	19335	USSR	28 JUL	09 APR 90	
1988-065AA		19338	USSR	28 JUL	13 JAN 90	
1988-065AB		20386	USSR	28 JUL	13 JAN 90	
1988-065AC		20387	USSR	28 JUL	16 JAN 90	
1988-065AD		20388	USSR	28 JUL	16 JAN 90	
1988-065AE		20395	USSR	28 JUL	15 JAN 90	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1988-065AF		20396	USSR	28 JUL	13 JAN 90	
1988-065B		19339	USSR	28 JUL	08 JAN 90	
1988-065C		19340	USSR	28 JUL	19 OCT 88	
1988-065D		19341	USSR	28 JUL	19 OCT 88	
1988-065E		19342	USSR	28 JUL	18 OCT 88	
1988-065F		19343	USSR	28 JUL	18 OCT 88	
1988-065G		19506	USSR	28 JUL	30 JAN 89	
1988-065H		19507	USSR	28 JUL	27 JAN 89	
1988-065J		19551	USSR	28 JUL	31 JAN 89	
1988-065K		19552	USSR	28 JUL	12 FEB 89	
1988-065L		19602	USSR	28 JUL	25 FEB 89	
1988-065M		19603	USSR	28 JUL	10 FEB 89	
1988-065N		20365	USSR	28 JUL	04 JAN 90	
1988-065P		20366	USSR	28 JUL	04 JAN 90	
1988-065Q		20375	USSR	28 JUL	10 JAN 90	
1988-065R		20376	USSR	28 JUL	06 JAN 90	
1988-065S		20377	USSR	28 JUL	10 JAN 90	
1988-065U		20379	USSR	28 JUL	07 JAN 90	
1988-065W		20381	USSR	28 JUL	09 JAN 90	
1988-065X		20382	USSR	28 JUL	12 JAN 90	
1988-065Y		20383	USSR	28 JUL	15 JAN 90	
1988-066B		20384	USSR	28 JUL	04 AUG 88	
1988-066C		19345	USSR	01 AUG	02 AUG 88	
1988-066F		19346	USSR	01 AUG	02 JUN 89	
1988-067A		19349	USSR	05 AUG	13 AUG 88	
1988-067B	PRC 23	19368	PRC	05 AUG	19 AUG 88	
1988-067C		19369	PRC	05 AUG	07 AUG 88	
1988-067D		19370	PRC	05 AUG	07 AUG 88	
1988-067E		19381	PRC	05 AUG	27 AUG 88	
1988-067F		19382	PRC	05 AUG	17 AUG 88	
1988-067G		19383	PRC	05 AUG	19 AUG 88	
1988-067H		19474	PRC	05 AUG	26 JUN 89	
1988-068A	COSMOS 1962	19372	USSR	08 AUG	22 AUG 88	
1988-068B		19373	USSR	08 AUG	13 AUG 88	
1988-068C		19374	USSR	08 AUG	09 AUG 88	
1988-068D		19403	USSR	08 AUG	24 AUG 88	
1988-068E		19404	USSR	08 AUG	26 AUG 88	
1988-068F		19405	USSR	08 AUG	12 SEP 88	
1988-068G		19406	USSR	08 AUG	27 AUG 88	
1988-068H		19407	USSR	08 AUG	23 AUG 88	
1988-069B		19378	USSR	12 AUG	20 SEP 88	
1988-069C		19379	USSR	12 AUG	21 SEP 88	
1988-069E		19424	USSR	12 AUG	12 SEP 88	
1988-069F		19438	USSR	12 AUG	15 SEP 88	
1988-069G		19449	USSR	12 AUG	16 SEP 88	
1988-070A	COSMOS 1963	19384	USSR	16 AUG	02 OCT 88	
1988-070B		19385	USSR	16 AUG	21 AUG 88	
1988-071B		19398	USSR	18 AUG	21 AUG 88	
1988-071C		19399	USSR	18 AUG	19 AUG 88	
1989-065C		20190	USSR	22 AUG	23 AUG 88	
1988-072A	COSMOS 1964	19412	USSR	23 AUG	07 SEP 88	
1988-072B		19413	USSR	23 AUG	28 AUG 88	
1988-072C		19417	USSR	23 AUG	24 AUG 88	
1988-072D		19418	USSR	23 AUG	24 AUG 88	
1988-072E		19469	USSR	23 AUG	10 SEP 88	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	SOURCE	LAUNCH	DECAY	NOTES
1988-072F		19470		USSR	23 AUG	11 SEP 88	
1988-072G		19471		USSR	23 AUG	25 SEP 88	
1988-072H		19472		USSR	23 AUG	09 SEP 88	
1988-073A	COSMOS 1965	19414		USSR	23 AUG	22 SEP 88	
1988-073B		19415		USSR	23 AUG	25 AUG 88	
1988-073C		19416		USSR	23 AUG	23 AUG 88	
1988-073D		19523		USSR	23 AUG	04 OCT 88	
1988-073E		19524		USSR	23 AUG	18 OCT 88	
1988-073F		19525		USSR	23 AUG	13 OCT 88	
1988-073G		19526		USSR	23 AUG	02 OCT 88	
1988-075A	SOYUZ TM-6	19443		USSR	29 AUG	21 DEC 88	
1988-075B		19444		USSR	29 AUG	31 AUG 88	
1988-076B		19446		USSR	29 AUG	30 SEP 88	
1988-076C		19447		USSR	30 AUG	16 SEP 88	
1988-079A	COSMOS 1967	19462		USSR	06 SEP	15 SEP 88	
1988-079B		19463		USSR	06 SEP	15 SEP 88	
1988-079C		19465		USSR	06 SEP	08 SEP 88	
1988-079D		19466		USSR	06 SEP	08 SEP 88	
1988-079E		19492		USSR	06 SEP	16 SEP 88	
1988-079F		19493		USSR	06 SEP	23 SEP 88	
1988-079G		19494		USSR	06 SEP	18 SEP 88	
1988-079H		19497		USSR	06 SEP	18 SEP 88	
1988-079J		19498		USSR	06 SEP	16 SEP 88	
1988-079K		19499		USSR	06 SEP	16 SEP 88	
1988-081D		19487		ESA	08 SEP	03 JAN 90	
1988-082A	COSMOS 1968	19488		USSR	09 SEP	23 SEP 88	
1988-082B		19489		USSR	09 SEP	11 SEP 88	
1988-082C		19527		USSR	09 SEP	28 SEP 88	
1988-082D		19528		USSR	09 SEP	16 OCT 88	
1988-082E		19529		USSR	09 SEP	27 SEP 88	
1988-082F		19530		USSR	09 SEP	26 SEP 88	
1988-083A	PROGRESS 38	19486		USSR	09 SEP	23 NOV 88	
1988-083B		19491		USSR	09 SEP	12 SEP 88	
1988-084A	COSMOS 1969	19495		USSR	15 SEP	13 NOV 88	
1988-084B		19496		USSR	15 SEP	19 SEP 88	
1988-084C		19500		USSR	15 SEP	16 SEP 88	
1988-085D		19504		USSR	16 SEP	16 SEP 88	
1988-086B		19509		JAPAN	16 SEP	21 SEP 88	
1988-087A	HORIZON 1	19519		ISRAEL	19 SEP	14 JAN 89	
1988-087B		19520		ISRAEL	19 SEP	12 JAN 89	
1988-088A	COSMOS 1973	19521		USSR	22 SEP	10 OCT 88	
1988-088B		19522		USSR	22 SEP	01 OCT 88	
1988-088C		19564		USSR	22 SEP	22 NOV 88	
1988-088D		19565		USSR	22 SEP	31 MAR 89	
1988-088E		19566		USSR	22 SEP	20 NOV 88	
1988-088F		19567		USSR	22 SEP	12 OCT 88	
1988-088G		19572		USSR	22 SEP	02 NOV 88	
1988-088H		19575		USSR	22 SEP	01 NOV 88	
1988-088J		19591		USSR	22 SEP	02 FEB 89	
1988-089C		19534		US	24 SEP	18 JUN 92	
1988-090B		19542		USSR	29 SEP	29 OCT 88	
1988-090C		19543		USSR	29 SEP	22 OCT 88	
1988-091A	STS 26	19547		US	29 SEP	03 OCT 88	
1988-092B		19555		USSR	03 OCT	23 OCT 88	
1988-092C		19556		USSR	03 OCT	28 OCT 88	
1988-092E		19669		USSR	03 OCT	31 DEC 88	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1988-094A	COSMOS 1976	19582	USSR	13 OCT	27 OCT 88	
1988-094B		19583	USSR	13 OCT	21 OCT 88	
1988-094C		19614	USSR	13 OCT	14 APR 89	
1988-094D		19615	USSR	13 OCT	12 NOV 88	
1988-094E		19616	USSR	13 OCT	18 DEC 88	
1988-094F		19617	USSR	13 OCT	10 DEC 88	
1988-094G		19623	USSR	13 OCT	16 NOV 88	
1988-095B		19597	USSR	20 OCT	22 OCT 88	
1988-095C		19598	USSR	20 OCT	21 OCT 88	
1988-096B		19609	USSR	25 OCT	25 NOV 88	
1988-096C		19610	USSR	25 OCT	09 NOV 88	
1988-097A	COSMOS 1978	19612	USSR	27 OCT	10 NOV 88	
1988-097B		19613	USSR	27 OCT	03 NOV 88	
1988-097C		19627	USSR	27 OCT	12 NOV 88	
1988-097D		19628	USSR	27 OCT	12 NOV 88	
1988-097E		19629	USSR	27 OCT	14 NOV 88	
1988-097F		19630	USSR	27 OCT	13 NOV 88	
1988-097G		19631	USSR	27 OCT	23 NOV 88	
1988-100A		19637	USSR	15 NOV	15 NOV 88	
1988-101A	BURAN	19647	USSR	18 NOV	25 DEC 89	
1988-101B	COSMOS 1979	19648	USSR	18 NOV	18 NOV 88	
1988-102G		19811	USSR	23 NOV	17 OCT 90	
1988-103A		19651	USSR	24 NOV	08 DEC 88	
1988-103B		19652	USSR	24 NOV	10 DEC 88	
1988-103C		19653	USSR	24 NOV	27 NOV 88	
1988-103D		19654	USSR	24 NOV	28 NOV 88	
1988-103E		19655	USSR	24 NOV	28 NOV 88	
1988-103F		19674	USSR	24 NOV	17 DEC 88	
1988-103G		19675	USSR	24 NOV	09 DEC 88	
1988-103H		19676	USSR	24 NOV	11 DEC 88	
1988-104A	SOYUZ TM-7	19660	USSR	26 NOV	27 APR 89	
1988-104B		19661	USSR	26 NOV	28 NOV 88	
1988-105A	COSMOS 1982	19662	USSR	30 NOV	14 DEC 88	
1988-105B		19663	USSR	30 NOV	10 DEC 88	
1988-105C		19694	USSR	30 NOV	20 JAN 89	
1988-105D		19695	USSR	30 NOV	13 JAN 89	
1988-105E		19696	USSR	30 NOV	27 APR 89	
1988-105F		19697	USSR	30 NOV	14 JAN 89	
1988-105G		19698	USSR	30 NOV	20 DEC 88	
1988-106A		19670	US	02 DEC	06 DEC 88	
1988-107A	COSMOS 1983	19672	USSR	08 DEC	22 DEC 88	
1988-107B		19673	USSR	08 DEC	14 DEC 88	
1988-107C		19677	USSR	08 DEC	10 DEC 88	
1988-107D		19678	USSR	08 DEC	10 DEC 88	
1988-107E		19679	USSR	08 DEC	09 DEC 88	
1988-107F		19709	USSR	08 DEC	23 DEC 88	
1988-107G		19717	USSR	08 DEC	23 DEC 88	
1988-107H		19718	USSR	08 DEC	28 DEC 88	
1988-107J		19719	USSR	08 DEC	24 DEC 88	
1988-108B		19684	USSR	10 DEC	12 DEC 88	
1988-108C		19685	USSR	10 DEC	11 DEC 88	
1988-108E		19691	USSR	10 DEC	13 NOV 91	
1988-108F		19699	USSR	10 DEC	06 SEP 89	
1988-110A	COSMOS 1984	19705	USSR	16 DEC	13 FEB 89	
1988-110B		19706	USSR	16 DEC	20 DEC 88	
1988-112B		19714	USSR	22 DEC	02 JAN 89	

DECAYED OBJECTS

INTER-NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1988-112C	COSMOS 1985	19715	USSR	22 DEC	02 JAN 89	
1988-112E		19722	USSR	22 DEC	03 JAN 89	
1988-112F		19723	USSR	22 DEC	30 DEC 88	
1988-112G		19724	USSR	22 DEC	24 DEC 88	
1988-112H		19725	USSR	22 DEC	03 JAN 89	
1988-113A		19720	USSR	23 DEC	04 MAY 92	
1988-113AA		20288	USSR	23 DEC	12 NOV 89	
1988-113AB		20289	USSR	23 DEC	14 NOV 89	
1988-113AC		20290	USSR	23 DEC	13 NOV 89	
1988-113AE		20342	USSR	23 DEC	01 JAN 90	
1988-113AF		20343	USSR	23 DEC	31 DEC 89	
1988-113AG		20345	USSR	23 DEC	31 DEC 89	
1988-113AH		20346	USSR	23 DEC	31 DEC 89	
1988-113AJ		20422	USSR	23 DEC	28 FEB 90	
1988-113AK		20423	USSR	23 DEC	21 FEB 90	
1988-113AL		20424	USSR	23 DEC	25 FEB 90	
1988-113AM		20425	USSR	23 DEC	25 FEB 90	
1988-113AN		20430	USSR	23 DEC	24 FEB 90	
1988-113AP		20431	USSR	23 DEC	18 FEB 90	
1988-113B		19721	USSR	23 DEC	15 MAR 89	
1988-113C		19726	USSR	23 DEC	02 MAR 89	
1988-113D		19727	USSR	23 DEC	03 MAR 89	
1988-113E		19711	USSR	23 DEC	17 MAR 89	
1988-113F		19712	USSR	23 DEC	14 MAR 89	
1988-113G		19763	USSR	23 DEC	15 MAR 89	
1988-113J		19885	USSR	23 DEC	04 MAY 89	
1988-113K		19886	USSR	23 DEC	26 APR 89	
1988-113L		19912	USSR	23 DEC	25 APR 89	
1988-113M		19943	USSR	23 DEC	15 JUN 89	
1988-113N		19944	USSR	23 DEC	16 JUN 89	
1988-113P		19958	USSR	23 DEC	17 JUN 89	
1988-113Q		19959	USSR	23 DEC	17 JUN 89	
1988-113R		20097	USSR	23 DEC	26 AUG 89	
1988-113S		20098	USSR	23 DEC	25 AUG 89	
1988-113T		20099	USSR	23 DEC	28 AUG 89	
1988-113U		20181	USSR	23 DEC	02 OCT 89	
1988-113V		20182	USSR	23 DEC	02 OCT 89	
1988-113W		20183	USSR	23 DEC	04 OCT 89	
1988-113X		20184	USSR	23 DEC	01 OCT 89	
1988-113Y		20286	USSR	23 DEC	14 NOV 89	
1988-113Z		20287	USSR	23 DEC	13 NOV 89	
1988-114A	PROGRESS 39	19728	USSR	25 DEC	07 FEB 89	
1988-114B		19729	USSR	25 DEC	27 DEC 88	
1988-115B		19731	USSR	28 DEC	21 JAN 89	
1988-115C		19732	USSR	28 DEC	22 JAN 89	
1988-115E		19742	USSR	28 DEC	16 JAN 89	
1988-115F	COSMOS 1986	19748	USSR	28 DEC	25 JAN 89	
1988-116A		19734	USSR	29 DEC	11 FEB 89	
1988-116B		19735	USSR	29 DEC	02 JAN 89	
1989-001D	COSMOS 1990	19752	USSR	10 JAN	10 JAN 89	
1989-002A		19756	USSR	12 JAN	11 FEB 89	
1989-002B		19757	USSR	12 JAN	14 JAN 89	
1989-002C		19794	USSR	12 JAN	12 FEB 89	

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DECAYED OBJECTS			LAUNCH			DECAY			NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES			
1989-002D		19795	USSR	12 JAN	11 FEB 89				
1989-003A	COSMOS 1991	19758	USSR	18 JAN	01 FEB 89				
1989-003B		19759	USSR	18 JAN	27 JAN 89				
1989-003C		19760	USSR	18 JAN	20 JAN 89				
1989-003D		19761	USSR	18 JAN	19 JAN 89				
1989-003E		19762	USSR	18 JAN	20 JAN 89				
1989-003F		19778	USSR	18 JAN	02 MAR 89				
1989-003G		19779	USSR	18 JAN	11 FEB 89				
1989-003H		19780	USSR	18 JAN	18 JUN 89				
1989-003J		19781	USSR	18 JAN	07 MAR 89				
1989-003K		19782	USSR	18 JAN	18 FEB 89				
1989-004B		19766	USSR	26 JAN	28 JAN 89				
1989-004C		19767	USSR	26 JAN	26 JAN 89				
1989-004D		19768	USSR	26 JAN	31 JUL 91				
1989-007A	COSMOS 1993	19774	USSR	28 JAN	27 MAR 89				
1989-007B		19775	USSR	28 JAN	01 FEB 89				
1989-008A	PROGRESS 40	19783	USSR	10 FEB	05 MAR 89				
1989-008B		19784	USSR	10 FEB	12 FEB 89				
1989-008C		19871	USSR	10 FEB	07 MAR 89				
1989-008D		19872	USSR	10 FEB	07 MAR 89				
1989-010A	COSMOS 2000	19792	USSR	10 FEB	03 MAR 89				
1989-010B		19793	USSR	10 FEB	12 FEB 89				
1989-010C		19864	USSR	10 FEB	30 MAY 89				
1989-010D		19865	USSR	10 FEB	29 MAR 89				
1989-010E		19866	USSR	10 FEB	09 MAR 89				
1989-010F		19867	USSR	10 FEB	24 MAR 89				
1989-010G		19873	USSR	10 FEB	15 MAR 89				
1989-011B		19797	USSR	14 FEB	11 MAR 89				
1989-011C		19798	USSR	14 FEB	03 MAR 89				
1989-011E		19956	USSR	14 FEB	30 APR 89				
1989-012A	COSMOS 2002	19800	USSR	14 FEB	15 OCT 89				
1989-012B		19801	USSR	14 FEB	27 JUL 89				
1989-012C		19805	USSR	14 FEB	03 MAR 89				
1989-012D		19806	USSR	14 FEB	10 MAR 89				
1989-012E		19821	USSR	14 FEB	11 MAR 89				
1989-012F		19825	USSR	14 FEB	08 MAR 89				
1989-012G		19832	USSR	14 FEB	10 MAR 89				
1989-012H		19846	USSR	14 FEB	09 MAR 89				
1989-012J		19847	USSR	14 FEB	11 MAR 89				
1989-012K		19848	USSR	14 FEB	11 MAR 89				
1989-012L		19849	USSR	14 FEB	06 MAR 89				
1989-012M		19850	USSR	14 FEB	10 MAR 89				
1989-013B		19803	US	14 FEB	13 MAR 89				
1989-013C		19804	US	14 FEB	06 DEC 89				
1989-014B		19808	USSR	15 FEB	01 MAR 89				
1989-014C		19809	USSR	15 FEB	09 MAR 89				
1989-015A	COSMOS 2003	19818	USSR	17 FEB	03 MAR 89				
1989-015B		19819	USSR	17 FEB	23 FEB 89				
1989-015C		19820	USSR	17 FEB	18 FEB 89				
1989-015D		19868	USSR	17 FEB	08 MAR 89				
1989-015E		19869	USSR	17 FEB	04 MAR 89				
1989-015F		19870	USSR	17 FEB	04 MAR 89				
1989-015G		19875	USSR	17 FEB	05 MAR 89				
1989-016B		19823	JAPAN	21 FEB	04 APR 89				
1989-016D		19841	JAPAN	21 FEB	28 FEB 89				
1989-016E		19842	JAPAN	21 FEB	27 FEB 89				

DECAYED OBJECTS			LAUNCH	DECAY	NOTES
INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE		
1989-016F		19843	JAPAN	21 FEB	25 FEB 89
1989-016G		19844	JAPAN	21 FEB	25 FEB 89
1989-016H		19845	JAPAN	21 FEB	25 FEB 89
1989-016J		19889	JAPAN	21 FEB	22 MAR 89
1989-016L		19962	JAPAN	21 FEB	01 FEB 92
1989-019A	COSMOS 2005	19862	USSR	02 MAR	25 APR 89
1989-019B		19863	USSR	02 MAR	08 MAR 89
1989-020C		19877	ESA	06 MAR	21 APR 92
1989-020D		19878	ESA	06 MAR	22 DEC 92
1989-021A	STS 29	19882	US	13 MAR	18 MAR 89
1989-022A	COSMOS 2006	19893	USSR	16 MAR	31 MAR 89
1989-022B		19894	USSR	16 MAR	03 APR 89
1989-022C		19897	USSR	16 MAR	20 MAR 89
1989-022D		19898	USSR	16 MAR	20 MAR 89
1989-022E		19899	USSR	16 MAR	18 MAR 89
1989-022F		19914	USSR	16 MAR	17 APR 89
1989-022G		19915	USSR	16 MAR	31 MAR 89
1989-022H		19916	USSR	16 MAR	25 AUG 89
1989-022J		19917	USSR	16 MAR	26 APR 89
1989-022K		19918	USSR	16 MAR	12 APR 89
1989-023A	PROGRESS 41	19895	USSR	16 MAR	25 APR 89
1989-023B		19896	USSR	16 MAR	18 MAR 89
1989-023C		19940	USSR	16 MAR	03 MAY 89
1989-024A	COSMOS 2007	19900	USSR	23 MAR	22 SEP 89
1989-024B		19901	USSR	23 MAR	25 MAR 89
1989-026A		19911	US	24 MAR	23 JUN 92
1989-029A	COSMOS 2017	19923	USSR	06 APR	19 APR 89
1989-029B		19924	USSR	06 APR	16 APR 89
1989-029C		19925	USSR	06 APR	07 APR 89
1989-029D		19926	USSR	06 APR	07 APR 89
1989-029E		19927	USSR	06 APR	08 APR 89
1989-029F		19934	USSR	06 APR	22 APR 89
1989-029G		19935	USSR	06 APR	19 APR 89
1989-029H		19936	USSR	06 APR	27 APR 89
1989-029J		19937	USSR	06 APR	21 APR 89
1989-030B		19929	USSR	14 APR	16 APR 89
1989-030C		19930	USSR	14 APR	14 APR 89
1989-030E		19932	USSR	14 APR	06 FEB 90
1989-031A	COSMOS 2018	19938	USSR	20 APR	19 JUN 89
1989-031B		19939	USSR	20 APR	24 APR 89
1989-032A	FOTON 2	19941	USSR	26 APR	11 MAY 89
1989-032B		19942	USSR	26 APR	08 MAY 89
1989-032C		19978	USSR	26 APR	31 MAY 89
1989-032D		19979	USSR	26 APR	15 MAY 89
1989-032E		19984	USSR	26 APR	18 MAY 89
1989-032F		19985	USSR	26 APR	15 MAY 89
1989-033A	STS 30	19968	US	04 MAY	08 MAY 89
1989-034A	COSMOS 2019	19972	USSR	05 MAY	18 MAY 89
1989-034B		19973	USSR	05 MAY	11 MAY 89
1989-034C		19974	USSR	05 MAY	06 MAY 89
1989-034D		19975	USSR	05 MAY	07 MAY 89
1989-034E		19988	USSR	05 MAY	20 MAY 89
1989-034F		19989	USSR	05 MAY	19 MAY 89
1989-036A	COSMOS 2020	19986	USSR	17 MAY	15 JUL 89
1989-036B		19987	USSR	17 MAY	21 MAY 89
1989-037A	COSMOS 2021	20000	USSR	24 MAY	06 JUL 89

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1989-037B	RESURS-F	20001	USSR	24 MAY	27 MAY 89	
1989-037C		20002	USSR	24 MAY	25 MAY 89	
1989-038A		20006	USSR	25 MAY	17 JUN 89	
1989-038B		20007	USSR	25 MAY	26 MAY 89	
1989-038C		20056	USSR	25 MAY	23 JUL 89	
1989-038D		20060	USSR	25 MAY	24 JUL 89	
1989-038E		20076	USSR	25 MAY	20 JUN 89	
1989-038F		20077	USSR	25 MAY	19 JUN 89	
1989-038G		20078	USSR	25 MAY	20 JUN 89	
1989-038H		20079	USSR	25 MAY	02 JUL 89	
1989-038J	COSMOS 2025	20080	USSR	25 MAY	19 JUN 89	
1989-039D		20027	USSR	31 MAY	02 JUL 89	
1989-040A		20035	USSR	01 JUN	31 JAN 89	
1989-040B		20036	USSR	01 JUN	15 JUN 89	
1989-040C		20037	USSR	01 JUN	08 JUN 89	
1989-040D		20038	USSR	01 JUN	03 JUN 89	
1989-040E		20039	USSR	01 JUN	02 JUN 89	
1989-040F		20070	USSR	01 JUN	17 JUN 89	
1989-040G		20071	USSR	01 JUN	15 JUN 89	
1989-040H		20072	USSR	01 JUN	01 JUL 89	
1989-041D	COSMOS 2027	20043	ESA	05 JUN	10 MAY 92	
1989-043B		20053	USSR	08 JUN	05 JUL 89	
1989-043C		20054	USSR	08 JUN	08 JUL 89	
1989-043E		20057	USSR	08 JUN	06 JUL 89	
1989-043F		20058	USSR	08 JUN	29 JUN 89	
1989-043G		20059	USSR	08 JUN	30 JUN 89	
1989-044B		20062	US	10 JUN	12 JUL 89	
1989-044C		20063	US	10 JUN	06 MAY 91	
1989-045A		20064	USSR	14 JUN	14 APR 92	
1989-045B		20065	USSR	14 JUN	25 MAR 91	
1989-047A	COSMOS 2028	20073	USSR	16 JUN	06 JUL 89	
1989-047B		20074	USSR	16 JUN	21 JUN 89	
1989-047C		20075	USSR	16 JUN	17 JUN 89	
1989-047D		20111	USSR	16 JUN	13 JUL 89	
1989-047G		20114	USSR	16 JUN	10 JUL 89	
1989-048B		20084	USSR	21 JUN	23 JUN 89	
1989-048C		20085	USSR	21 JUN	22 JUN 89	
1989-048E		20093	USSR	21 JUN	30 MAR 90	
1989-049A		20095	USSR	27 JUN	11 JUL 89	
1989-049C		20121	USSR	27 JUN	14 JUL 89	
1989-049D	COSMOS 2029	20117	USSR	28 JUN	14 JUL 89	
1989-049F		20118	USSR	28 JUN	15 JUL 89	
1989-051A		20120	USSR	28 JUN	15 JUL 89	
1989-051B		20105	USSR	05 JUL	19 JUL 89	
1989-051C		20139	USSR	05 JUL	07 JUL 89	
1989-051D		20140	USSR	05 JUL	15 AUG 89	
1989-051E		20141	USSR	05 JUL	14 OCT 89	
1989-051F		20142	USSR	05 JUL	07 AUG 89	
1989-051G		20143	USSR	05 JUL	18 AUG 89	
1989-051H		20144	USSR	05 JUL	08 AUG 89	
1989-052B	COSMOS 2030	20108	USSR	05 JUL	23 JUL 89	
1989-052C		20109	USSR	05 JUL	07 JUL 89	
1989-052E		20115	USSR	05 JUL	06 JUL 89	
1989-054A		20124	USSR	05 JUL	15 AUG 91	
1989-054B		20125	USSR	12 JUL	29 JUL 89	
					16 JUL 89	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1989-047E		20112	USSR	16 JUL	06 JUL 89	
1989-047F		20113	USSR	16 JUL	07 JUL 89	
1989-055A	RESURS-F3	20134	USSR	18 JUL	08 AUG 89	
1989-055B		20135	USSR	18 JUL	20 JUL 89	
1989-055C		20160	USSR	18 JUL	19 SEP 89	
1989-055D		20161	USSR	18 JUL	19 SEP 89	
1989-055E		20162	USSR	18 JUL	09 AUG 89	
1989-055F		20163	USSR	18 JUL	27 AUG 89	
1989-055G		20165	USSR	18 JUL	12 AUG 89	
1989-055H		20166	USSR	18 JUL	15 SEP 89	
1989-056A	COSMOS 2031	20136	USSR	18 JUL	21 JUL 89	
1989-056B		20137	USSR	18 JUL	19 JUL 89	
1989-056C		20138	USSR	18 JUL	04 SEP 89	
1989-056D		20206	USSR	18 JUL	04 SEP 89	
1989-056E		20207	USSR	18 JUL	04 SEP 89	
1989-056F		20208	USSR	18 JUL	04 SEP 89	
1989-056G		20209	USSR	18 JUL	04 SEP 89	
1989-056H		20210	USSR	18 JUL	04 SEP 89	
1989-056J		20211	USSR	18 JUL	04 SEP 89	
1989-056K		20212	USSR	18 JUL	03 SEP 89	
1989-056L		20213	USSR	18 JUL	03 SEP 89	
1989-057A	COSMOS 2032	20145	USSR	20 JUL	03 AUG 89	
1989-057B		20146	USSR	20 JUL	22 JUL 89	
1989-057C		20156	USSR	20 JUL	10 AUG 89	
1989-057D		20157	USSR	20 JUL	04 AUG 89	
1989-057E		20158	USSR	20 JUL	06 AUG 89	
1989-057F		20159	USSR	20 JUL	05 AUG 89	
1989-058A		20148	USSR	20 JUL	24 JUL 89	
1989-058B	COSMOS 2033	20147	USSR	24 JUL	06 JAN 91	
1989-049E		20119	USSR	25 JUL	05 AUG 89	
1989-060A	COSMOS 2035	20151	USSR	02 AUG	16 AUG 89	
1989-060B		20152	USSR	02 AUG	04 AUG 89	
1989-060C		20177	USSR	02 AUG	18 AUG 89	
1989-060D		20178	USSR	02 AUG	17 AUG 89	
1989-060E		20179	USSR	02 AUG	22 AUG 89	
1989-060F		20180	USSR	02 AUG	22 AUG 89	
1989-061A	STS-28	20164	US	08 AUG	13 AUG 89	
1989-062D		20171	ESA	08 AUG	08 MAR 92	
1989-063A	RESURS-F4	20175	USSR	15 AUG	14 SEP 89	
1989-063B		20176	USSR	15 AUG	16 AUG 89	
1989-063C		20231	USSR	16 AUG	15 SEP 89	
1989-063D		20239	USSR	16 AUG	16 SEP 89	
1989-063E		20240	USSR	16 AUG	19 SEP 89	
1989-063F		20241	USSR	16 AUG	16 SEP 89	
1989-064B		20186	US	18 AUG	09 SEP 89	
1989-064C		20187	US	18 AUG	10 JUN 90	
1989-065A	COSMOS 2036	20188	USSR	22 AUG	05 SEP 89	
1989-065B		20189	USSR	22 AUG	29 AUG 89	
1989-066A	PROGRESS/M	20191	USSR	23 AUG	01 DEC 89	
1989-066B		20192	USSR	23 AUG	24 AUG 89	
1989-065D		20214	USSR	24 AUG	10 SEP 89	
1989-065E		20215	USSR	24 AUG	05 SEP 89	
1989-065F		20216	USSR	24 AUG	05 SEP 89	
1989-067B		20194	US	27 AUG	22 OCT 89	
1989-069C		20204	US	04 SEP	24 SEP 89	
1989-071A	SOYUZ TM-8	20218	USSR	05 SEP	19 FEB 90	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1989-071B	RESURS F-5	20219	USSR	05 SEP	07 SEP 89	
1989-073A		20222	USSR	06 SEP	22 SEP 89	
1989-073B	COSMOS 2044	20223	USSR	06 SEP	08 SEP 89	
1989-075A		20242	USSR	15 SEP	29 SEP 89	
1989-075B		20243	USSR	15 SEP	18 SEP 89	
1989-075C		20267	USSR	15 SEP	01 OCT 89	
1989-075D		20268	USSR	15 SEP	30 SEP 89	
1989-075E		20269	USSR	15 SEP	30 SEP 89	
1989-073C		20248	USSR	22 SEP	12 OCT 89	
1989-073D		20249	USSR	22 SEP	26 SEP 89	
1989-073E		20250	USSR	22 SEP	25 SEP 89	
1989-073F		20251	USSR	22 SEP	24 SEP 89	
1989-076A		20252	USSR	22 SEP	02 OCT 89	
1989-076B	COSMOS 2045	20244	USSR	22 SEP	28 SEP 89	
1989-076C		20245	USSR	22 SEP	23 SEP 89	
1989-076D		20246	USSR	22 SEP	23 SEP 89	
1989-076E		20247	USSR	22 SEP	04 OCT 89	
1989-076F		20274	USSR	22 SEP	04 OCT 89	
1989-076G		20275	USSR	22 SEP	05 OCT 89	
1989-076H		20276	USSR	22 SEP	09 OCT 89	
1989-076J		20277	USSR	22 SEP	09 OCT 89	
1989-077B		20278	USSR	22 SEP	04 OCT 89	
1989-077B		20254	US	25 SEP	03 OCT 89	
1989-078B		20256	USSR	27 SEP	09 MAY 91	
1989-078C		20257	USSR	27 SEP	26 OCT 89	
1989-079A	COSMOS 2046	20259	USSR	27 SEP	24 OCT 89	
1989-079B		20260	USSR	27 SEP	16 APR 91	
1989-081B		20264	USSR	28 SEP	28 SEP 89	
1989-081C		20265	USSR	28 SEP	30 SEP 89	
1989-081E		20270	USSR	28 SEP	29 SEP 89	
1989-081F		20271	USSR	28 SEP	22 JUL 90	
1989-082A	COSMOS 2047	20279	USSR	03 OCT	28 SEP 91	
1989-082B		20280	USSR	03 OCT	21 NOV 89	
1989-083A	COSMOS 2048	20292	USSR	17 OCT	06 OCT 89	
1989-083B		20293	USSR	17 OCT	26 OCT 89	
1989-083C		20294	USSR	17 OCT	22 OCT 89	
1989-083D		20295	USSR	17 OCT	18 OCT 89	
1989-083E		20296	USSR	17 OCT	18 OCT 89	
1989-083G		20310	USSR	17 OCT	18 OCT 89	
1989-083H		20311	USSR	17 OCT	30 OCT 89	
1989-083J		20312	USSR	17 OCT	29 OCT 89	
1989-083K		20313	USSR	17 OCT	27 OCT 89	
1989-084A	STS-34	20314	USSR	17 OCT	28 OCT 89	
1989-085C		20297	US	18 OCT	27 OCT 89	
1989-088A	COSMOS 2049	20304	US	21 OCT	23 OCT 89	
1989-088B		20320	USSR	21 OCT	05 DEC 91	
1989-090A	STS-33	20321	USSR	17 NOV	19 JUN 90	
1989-091B		20329	US	23 NOV	19 NOV 89	
1989-091C		20331	USSR	23 NOV	28 NOV 89	
1989-092A	COSMOS 2051	20332	USSR	23 NOV	18 DEC 89	
1989-093B		20334	USSR	24 NOV	10 DEC 89	
1989-093C		20336	USSR	26 NOV	21 JAN 91	
1989-094C		20337	USSR	26 NOV	04 DEC 89	
1989-094D		20340	USSR	28 NOV	27 NOV 89	
1989-095A	COSMOS 2052	20341	USSR	28 NOV	22 DEC 89	
		20350	USSR	30 NOV	20 DEC 89	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1989-095B	PROGRESS M-2	20351	USSR	30 NOV	03 DEC 89	
1989-096B		20353	USSR	01 DEC	09 MAR 91	
1989-096D		20358	USSR	01 DEC	15 APR 91	
1989-097C		20363	US	11 DEC	09 AUG 90	
1989-098B		20368	USSR	15 DEC	17 DEC 89	
1989-098C		20369	USSR	15 DEC	16 DEC 89	
1989-098E		20371	USSR	15 DEC	04 SEP 91	
1989-098F		20372	USSR	15 DEC	06 JUN 91	
1989-099A		20373	USSR	20 DEC	09 FEB 90	
1989-099B		20374	USSR	20 DEC	21 DEC 89	
1988-113AD		20291	USSR	23 DEC	13 NOV 89	
1989-100AB		21064	USSR	27 DEC	12 FEB 91	
1989-100AC		21205	USSR	27 DEC	24 APR 91	
1989-100AD		21206	USSR	27 DEC	23 APR 91	
1989-100AE		21207	USSR	27 DEC	27 APR 91	
1989-100AF		21537	USSR	27 DEC	14 AUG 91	
1989-100AG		21540	USSR	27 DEC	13 AUG 91	
1989-100AH		21767	USSR	27 DEC	23 NOV 91	
1989-100AJ		21768	USSR	27 DEC	22 NOV 91	
1989-100AK		21769	USSR	27 DEC	21 NOV 91	
1989-100AL		21770	USSR	27 DEC	22 NOV 91	
1989-100AM		21771	USSR	27 DEC	22 NOV 91	
1989-100AN		21772	USSR	27 DEC	29 NOV 91	
1989-100AP		21773	USSR	27 DEC	27 NOV 91	
1989-100AQ		21774	USSR	27 DEC	06 DEC 91	
1989-100C		20397	USSR	27 DEC	12 MAR 90	
1989-100D		20398	USSR	27 DEC	28 MAR 90	
1989-100E		20408	USSR	27 DEC	09 MAR 90	
1989-100F		20467	USSR	27 DEC	31 MAR 90	
1989-100G		20468	USSR	27 DEC	26 MAR 90	
1989-100H		20515	USSR	27 DEC	24 APR 90	
1989-100J		20522	USSR	27 DEC	28 APR 90	
1989-100K		20531	USSR	27 DEC	30 APR 90	
1989-100L		20532	USSR	27 DEC	07 MAY 90	
1989-100U		20911	USSR	27 DEC	17 NOV 90	
1989-101B		20392	USSR	27 DEC	28 DEC 89	
1989-101C		20393	USSR	27 DEC	31 JUL 91	
1989-101F		20400	USSR	27 DEC	12 FEB 91	
1989-100AA		21043	USSR	31 DEC	16 AUG 90	
1989-100M		20637	USSR	31 DEC	20 AUG 90	
1989-100N		20640	USSR	31 DEC	30 OCT 90	
1989-100P		20802	USSR	31 DEC	30 OCT 90	
1989-100Q		20803	USSR	31 DEC	16 NOV 90	
1989-100R		20821	USSR	31 DEC	21 NOV 90	
1989-100S		20822	USSR	31 DEC	16 NOV 90	
1989-100T		20823	USSR	31 DEC	06 FEB 91	
1989-100V		21020	USSR	31 DEC	07 FEB 91	
1989-100X		21022	USSR	31 DEC	08 FEB 91	
1989-100Y		21023	USSR	31 DEC	12 FEB 91	
1989-100Z		21042	USSR	31 DEC		
1990 LAUNCHES						
1990-001C		20403	US	01 JAN	09 JAN 90	
1990-001E		20405	US	01 JAN	15 JAN 90	
1990-002A	STS 32	20409	US	09 JAN	20 JAN 90	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1990-003A	COSMOS 2055	20426	USSR	17 JAN	29 JAN 90	
1990-003B		20427	USSR	17 JAN	24 JAN 90	
1990-003C		20428	USSR	17 JAN	19 JAN 90	
1990-003D		20429	USSR	17 JAN	18 JAN 90	
1990-003E		20462	USSR	17 JAN	03 FEB 90	
1990-003F		20463	USSR	17 JAN	30 JAN 90	
1990-003G		20464	USSR	17 JAN	30 JAN 90	
1990-006B		20445	USSR	23 JAN	22 FEB 90	
1990-006D		20447	USSR	23 JAN	15 FEB 90	
1990-007C		20449	JAPAN	24 JAN	29 JAN 90	
1990-009A	COSMOS 2057	20457	USSR	25 JAN	19 MAR 90	
1990-009B		20458	USSR	25 JAN	30 JAN 90	
1990-012A	COSMOS 2059	20476	USSR	06 FEB	12 NOV 90	
1990-012B		20477	USSR	06 FEB	12 JUL 90	
1990-012D		20482	USSR	06 FEB	24 MAR 90	
1990-012E		20483	USSR	06 FEB	06 MAR 90	
1990-012F		20484	USSR	06 FEB	06 MAR 90	
1990-012G		20485	USSR	06 FEB	05 MAR 90	
1990-012H		20486	USSR	06 FEB	07 MAR 90	
1990-012J		20487	USSR	06 FEB	25 FEB 90	
1990-012K		20490	USSR	06 FEB	06 MAR 90	
1990-012L		20492	USSR	06 FEB	05 MAR 90	
1990-012M	SOYUZ TM-9	20493	USSR	06 FEB	27 FEB 90	
1990-014A		20494	USSR	11 FEB	09 AUG 90	
1990-014B		20495	USSR	11 FEB	13 FEB 90	
1990-015B		20497	US	14 FEB	24 MAY 92	
1990-015C		20498	US	14 FEB	07 DEC 90	
1990-016B		20500	USSR	15 FEB	17 FEB 90	
1990-016C		20501	USSR	15 FEB	17 FEB 90	
1990-016E		20506	USSR	15 FEB	03 DEC 90	
1990-016F		20507	USSR	15 FEB	04 MAR 90	
1990-019A		20512	US	28 FEB	02 APR 90	
1990-020A	STS-36 PROGRESS M-3	20513	USSR	28 FEB	28 APR 90	
1990-020B		20514	USSR	28 FEB	02 MAR 90	
1990-021B		20524	US	14 MAR	28 MAR 90	
1990-022A		20525	USSR	14 MAR	01 SEP 91	
1990-022B		20526	USSR	14 MAR	15 MAR 90	
1990-024A		20529	USSR	22 MAR	05 APR 90	
1990-024B		20530	USSR	22 MAR	23 MAR 90	
1990-024C		20542	USSR	22 MAR	09 APR 90	
1990-024D		20543	USSR	22 MAR	14 APR 90	
1990-024E		20544	USSR	22 MAR	08 APR 90	
1990-024F	OFEQ 2	20545	USSR	22 MAR	07 APR 90	
1990-024G		20548	USSR	22 MAR	08 APR 90	
1990-025B		20534	US	26 MAR	04 APR 90	
1990-026B		20537	USSR	27 MAR	22 APR 90	
1990-026C		20538	USSR	27 MAR	10 APR 90	
1990-027A		20540	ISRAEL	03 APR	09 JUL 90	
1990-027B		20541	ISRAEL	03 APR	20 JUN 90	
1990-032A	FOTON 3	20566	USSR	11 APR	27 APR 90	
1990-032B		20567	USSR	11 APR	21 APR 90	
1990-032C		20588	USSR	11 APR	16 MAY 90	
1990-032D		20589	USSR	11 APR	01 MAY 90	
1990-032E		20590	USSR	11 APR	07 MAY 90	
1990-033A		20568	USSR	13 APR	21 NOV 90	
1990-033B		20569	USSR	13 APR	16 APR 90	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1990-035A	COSMOS 2073	20573	USSR	17 APR	28 APR 90	
1990-035B		20574	USSR	17 APR	18 APR 90	
1990-035C		20591	USSR	17 APR	29 APR 90	
1990-035D		20592	USSR	17 APR	29 APR 90	
1990-035E		20593	USSR	17 APR	29 APR 90	
1990-035F	STS-31	20594	USSR	17 APR	01 MAY 90	
1990-035G		20595	USSR	17 APR	13 MAY 90	
1990-035H		20601	USSR	17 APR	02 MAY 90	
1990-037A		20579	US	17 APR	29 APR 90	
1990-038A		20581	USSR	24 APR	29 APR 90	
1990-038B	COSMOS 2075	20582	USSR	25 APR	20 FEB 92	
1990-038C		20587	USSR	25 APR	30 DEC 91	
1990-038D		20746	USSR	25 APR	04 JUL 90	
1990-038E		20747	USSR	25 APR	02 OCT 90	
1990-038F		20748	USSR	25 APR	28 SEP 90	
1990-038G		20749	USSR	25 APR	20 SEP 90	
1990-038H		20750	USSR	25 APR	20 SEP 90	
1990-038J		20751	USSR	25 APR	22 SEP 90	
1990-038K		21864	USSR	25 APR	25 SEP 90	
1990-038L		21865	USSR	25 APR	08 FEB 92	
1990-038M		21866	USSR	25 APR	07 FEB 92	
1990-038N		21869	USSR	25 APR	06 FEB 92	
1990-038P		21870	USSR	25 APR	13 FEB 92	
1990-038Q		21871	USSR	25 APR	11 FEB 92	
1990-038R		21872	USSR	25 APR	13 FEB 92	
1990-039B		20584	USSR	25 APR	12 FEB 92	
1990-039C		20585	USSR	26 APR	26 MAY 90	
1990-040B		20597	USSR	26 APR	23 MAY 90	
1990-040C		20598	USSR	28 APR	28 MAY 90	
1990-040E		20600	USSR	28 APR	13 MAY 90	
1990-041A	PROGRESS-42	20602	USSR	28 APR	28 MAY 90	
1990-041B	COSMOS 2077	20603	USSR	28 APR	13 MAY 90	
1990-042A		20604	USSR	05 MAY	03 MAY 90	
1990-042B		20605	USSR	05 MAY	27 MAY 90	
1990-042C		20606	USSR	07 MAY	07 MAY 90	
1990-043G		20606	USSR	07 MAY	12 MAY 90	
1990-043J	COSMOS 2078	20613	US	07 MAY	08 MAY 90	
1990-044A		20634	US	09 MAY	01 MAR 92	
1990-044B		20615	USSR	09 MAY	02 SEP 92	
1990-044B		20616	USSR	15 MAY	28 JUN 90	
1990-045D		20617	USSR	15 MAY	19 MAY 90	
1990-047A	RESURS-F	20622	USSR	15 MAY	16 MAY 90	
1990-047B		20632	USSR	19 MAY	19 MAY 90	
1990-047C		20633	USSR	29 MAY	14 JUN 90	
1990-047D		20653	USSR	29 MAY	31 MAY 90	
1990-047E		20654	USSR	29 MAY	17 JUN 90	
1990-047F		20655	USSR	29 MAY	07 JUL 90	
1990-048B		20656	USSR	29 MAY	16 JUN 90	
1990-049B		20636	USSR	29 MAY	20 JUN 90	
1990-051B		20639	USSR	31 MAY	11 JUN 90	
1990-051C		20644	US	01 JUN	15 JAN 92	
1990-052B	COSMOS 2083	20645	US	12 JUN	12 JUN 90	
1990-052C		20647	USSR	13 JUN	26 JUL 91	
1990-053A		20648	USSR	13 JUN	03 JUL 90	
1990-053B		20657	USSR	19 JUN	28 JUN 90	
1990-053C		20658	USSR	19 JUN	03 JUL 90	
		20675	USSR	19 JUN	21 JUN 90	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1990-053D		20676	USSR	19 JUN	30 SEP 90	
1990-053E		20677	USSR	19 JUN	29 JUL 90	
1990-053F		20678	USSR	19 JUN	20 JUL 90	
1990-053G		20679	USSR	19 JUN	09 AUG 90	
1990-054B		20660	USSR	20 JUN	22 JUN 90	
1990-054C		20661	USSR	20 JUN	21 JUN 90	
1990-054F		20711	USSR	20 JUN	02 JAN 91	
1990-055B		20664	USSR	21 JUN	21 JUL 90	
1990-055C		20665	USSR	21 JUN	20 JUL 90	
1990-056B		20668	US	23 JUN	26 JUN 90	
1990-058A	GAMMA	20683	USSR	11 JUL	28 FEB 92	
1990-058B		20684	US	11 JUL	12 JUL 90	
1990-059A	BADR-A	20685	PAKI	16 JUL	08 DEC 90	
1990-059B		20686	PRC	16 JUL	09 OCT 90	
1990-060A	RESURS-F7	20687	USSR	17 JUL	16 AUG 90	
1990-060B		20688	USSR	17 JUL	19 JUL 90	
1990-060C		20756	USSR	17 JUL	19 AUG 90	
1990-060D		20757	USSR	17 JUL	18 AUG 90	
1990-060E		20758	USSR	17 JUL	22 AUG 90	
1990-060F		20761	USSR	17 JUL	18 AUG 90	
1990-061B		20694	USSR	18 JUL	21 JUL 90	
1990-061C		20695	USSR	18 JUL	20 JUL 90	
1990-061E		20697	USSR	18 JUL	24 AUG 91	
1990-062A	COSMOS 2086	20702	USSR	20 JUL	03 AUG 90	
1990-062B		20703	USSR	20 JUL	22 JUL 90	
1990-062C		20727	USSR	20 JUL	08 AUG 90	
1990-062D		20728	USSR	20 JUL	16 AUG 90	
1990-062E		20729	USSR	20 JUL	04 AUG 90	
1990-062F		20730	USSR	20 JUL	06 AUG 90	
1990-062G		20731	USSR	20 JUL	04 AUG 90	
1990-064B		20708	USSR	25 JUL	22 AUG 90	
1990-064C		20709	USSR	25 JUL	08 AUG 90	
1990-064E		20714	USSR	25 JUL	14 AUG 90	
1990-064F		20715	USSR	25 JUL	08 AUG 90	
1990-064G		20716	USSR	25 JUL	05 AUG 90	
1990-067A	SOYUZ TM-10	20722	USSR	01 AUG	10 DEC 90	
1990-067B		20723	USSR	01 AUG	02 AUG 90	
1990-068B		20725	US	02 AUG	15 AUG 90	
1990-068C		20726	US	02 AUG	18 MAR 91	
1990-069A	COSMOS 2089	20732	USSR	03 AUG	01 OCT 90	
1990-069B		20733	USSR	03 AUG	09 AUG 90	
1990-069C		20734	USSR	03 AUG	04 AUG 90	
1990-071B		20743	USSR	10 AUG	10 SEP 90	
1990-071C		20744	USSR	10 AUG	02 SEP 90	
1990-072A	PROGRESS M-4	20752	USSR	15 AUG	20 SEP 90	
1990-072B		20753	USSR	15 AUG	16 AUG 90	
1990-072C		20812	USSR	15 AUG	16 OCT 90	
1990-073A	RESURS-F8	20754	USSR	16 AUG	01 SEP 90	
1990-073B		20755	USSR	16 AUG	18 AUG 90	
1990-073C		20782	USSR	16 AUG	21 SEP 90	
1990-073D		20783	USSR	16 AUG	07 SEP 90	
1990-073E		20784	USSR	16 AUG	05 SEP 90	
1990-073F		20785	USSR	16 AUG	03 SEP 90	
1990-073G		20786	USSR	16 AUG	04 SEP 90	
1990-073H		20787	USSR	16 AUG	03 SEP 90	
1990-075A	COSMOS 2096	20765	USSR	23 AUG	30 AUG 92	

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INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1990-075B		20766	USSR	23 AUG	24 AUG 90	
1990-076B		20768	USSR	28 AUG	26 SEP 90	
1990-076C		20769	USSR	28 AUG	11 SEP 90	
1990-077B		20772	JAPAN	28 AUG	05 SEP 90	
1990-077C		20773	JAPAN	28 AUG	16 FEB 91	
1990-079D		20781	ESA	30 AUG	28 SEP 91	
1990-080A	COSMOS 2099	20779	USSR	31 AUG	14 SEP 90	
1990-080B		20780	USSR	31 AUG	01 SEP 90	
1990-080C		20796	USSR	31 AUG	10 SEP 90	
1990-080D		20806	USSR	31 AUG	23 SEP 90	
1990-080E		20807	USSR	31 AUG	16 SEP 90	
1990-080F		20808	USSR	31 AUG	15 SEP 90	
1990-080G		20809	USSR	31 AUG	17 SEP 90	
1990-080H		20810	USSR	31 AUG	16 SEP 90	
1990-081AB		20863	PRC	03 SEP	10 JAN 91	
1990-081B	PRC 31	20789	PRC	03 SEP	11 MAR 91	
1990-081BU		20908	PRC	03 SEP	29 NOV 90	
1990-081BZ		20916	PRC	03 SEP	02 JAN 91	
1990-081C		20790	PRC	03 SEP	24 JUL 91	
1990-082A	PRC 32	20794	USSR	07 SEP	21 SEP 90	
1990-082B	RESURS-F9	20795	USSR	07 SEP	09 SEP 90	
1990-082C		20817	USSR	07 SEP	13 OCT 90	
1990-082D		20818	USSR	07 SEP	23 SEP 90	
1990-082E		20819	USSR	07 SEP	25 SEP 90	
1990-082F		20820	USSR	07 SEP	25 SEP 90	
1990-084B		20814	USSR	20 SEP	03 OCT 90	
1990-084C		20815	USSR	20 SEP	01 OCT 90	
1990-085A		20824	USSR	27 SEP	28 NOV 90	
1990-085B		20825	USSR	27 SEP	28 SEP 90	
1990-087A	COSMOS 2101	20828	USSR	01 OCT	30 NOV 90	
1990-087B		20829	USSR	01 OCT	04 OCT 90	
1990-087C		21003	USSR	01 OCT	08 DEC 90	
1990-087D		21004	USSR	01 OCT	06 DEC 90	
1990-087E		21005	USSR	01 OCT	10 DEC 90	
1990-088B		20831	US	01 OCT	10 OCT 90	
1990-088C		20832	US	01 OCT	18 JUN 91	
1990-089A	PRC 33	20838	PRC	05 OCT	23 OCT 90	
1990-089B		20839	PRC	05 OCT	15 OCT 90	
1990-089C		20840	PRC	05 OCT	07 OCT 90	
1990-090A	STS-31	20841	US	06 OCT	10 OCT 90	
1990-091D		20875	ESA	12 OCT	02 OCT 91	
1990-092A	COSMOS 2102	20909	USSR	16 OCT	12 DEC 90	
1990-092B		20910	USSR	16 OCT	20 OCT 90	
1990-093C		20920	US	30 OCT	03 OCT 90	
1990-094B		20924	USSR	03 NOV	04 MAR 91	
1990-094C		20925	USSR	03 NOV	04 NOV 90	
1990-094F		20928	USSR	03 NOV	05 NOV 90	
1990-095B		20930	US	13 NOV	02 MAY 91	
1990-096A	COSMOS 2103	20933	USSR	13 NOV	13 NOV 90	
1990-096B		20934	USSR	14 NOV	03 APR 91	
1990-097A	STS-38	20935	US	14 NOV	14 NOV 90	
1990-098A	COSMOS 2104	20936	USSR	15 NOV	20 NOV 90	
1990-098B		20937	USSR	16 NOV	04 DEC 90	
1990-098C		20938	USSR	16 NOV	05 DEC 90	
1990-098D		20939	USSR	16 NOV	19 NOV 90	
1990-098E		20940	USSR	16 NOV	20 NOV 90	

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1990-098F		20956	USSR	16 NOV	07 DEC 90	
1990-098G		20994	USSR	16 NOV	10 DEC 90	
1990-098H		20995	USSR	16 NOV	05 DEC 90	
1990-098J		20996	USSR	16 NOV	14 DEC 90	
1990-098K		21002	USSR	16 NOV	06 DEC 90	
1990-099B		20942	USSR	20 NOV	23 DEC 90	
1990-099C		20943	USSR	20 NOV	07 DEC 90	
1990-100D		20948	ESA	20 NOV	06 NOV 91	
1990-101B		20950	USSR	23 NOV	26 DEC 90	
1990-101C		20951	USSR	23 NOV	12 DEC 90	
1990-102B		20954	USSR	23 NOV	25 NOV 90	
1990-102C		20955	USSR	23 NOV	24 NOV 90	
1990-102E		20957	USSR	23 NOV	01 JUL 91	
1990-102F		20958	USSR	23 NOV	02 MAY 91	
1990-103C		20961	US	26 NOV	30 SEP 92	
1990-104AA		21994	USSR	28 NOV	07 OCT 92	
1990-104AB		21995	USSR	28 NOV	23 SEP 92	
1990-104AC		21996	USSR	28 NOV	22 SEP 92	
1990-104AD		22001	USSR	28 NOV	02 OCT 92	
1990-104AE		22002	USSR	28 NOV	06 OCT 92	
1990-104AF		22003	USSR	28 NOV	06 OCT 92	
1990-104C		20975	USSR	28 NOV	21 FEB 91	
1990-104D		20976	USSR	28 NOV	23 FEB 91	
1990-104E		20977	USSR	28 NOV	06 MAR 91	
1990-104F		21070	USSR	28 NOV	10 MAR 91	
1990-104H		21081	USSR	28 NOV	10 MAR 91	
1990-104J		21083	USSR	28 NOV	11 NOV 90	
1990-104K		21258	USSR	28 NOV	15 JUL 91	
1990-104L		21259	USSR	28 NOV	10 JUL 91	
1990-104M		21260	USSR	28 NOV	10 JUL 91	
1990-104N		21261	USSR	28 NOV	10 JUL 91	
1990-104P		21264	USSR	28 NOV	21 JUL 91	
1990-104Q		21265	USSR	28 NOV	14 JUL 91	
1990-104R		21266	USSR	28 NOV	20 JUL 91	
1990-104S		21306	USSR	28 NOV	21 JUL 91	
1990-104T		21307	USSR	28 NOV	22 JUL 91	
1990-104U		21308	USSR	28 NOV	15 JUL 91	
1990-104V		21309	USSR	28 NOV	15 JUL 91	
1990-104W		21310	USSR	28 NOV	19 MAY 91	
1990-104X		21991	USSR	28 NOV	07 OCT 92	
1990-104Y		21992	USSR	28 NOV	17 SEP 92	
1990-104Z		21993	USSR	28 NOV	17 SEP 92	
1990-105AC		21127	US	01 DEC	08 APR 91	
1990-105AD		21215	US	01 DEC	08 APR 91	
1990-105C		20983	US	01 DEC	06 FEB 91	
1990-105D		20984	US	01 DEC	04 AUG 92	
1990-105E		20987	US	01 DEC	23 FEB 91	
1990-105F		20988	US	01 DEC	02 JUN 91	
1990-105G		20989	US	01 DEC	16 FEB 91	
1990-105H		20990	US	01 DEC	10 JAN 91	
1990-105J		20991	US	01 DEC	20 SEP 91	
1990-105K		20992	US	01 DEC	02 MAR 91	
1990-105L		20993	US	01 DEC	02 SEP 91	
1990-105N		20999	US	01 DEC	02 FEB 91	
1990-105P		20997	US	01 DEC	05 JAN 91	
1990-105Q		21071	US	01 DEC	09 APR 91	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS		LAUNCH	DECAY	NOTES
			SOURCE				
1990-105R		21072	US	01 DEC	18 MAR 91		
1990-105T		21074	US	01 DEC	09 MAR 91		
1990-105U		21075	US	01 DEC	09 FEB 91		
1990-105V		21076	US	01 DEC	21 FEB 91		
1990-105W		21077	US	01 DEC	19 MAY 91		
1990-105X		21078	US	01 DEC	12 APR 91		
1990-105Y		21079	US	01 DEC	12 APR 91		
1990-106A	STS-35	20980	US	02 DEC	11 DEC 90		
1990-107A	SOTUZ TM 11	20981	USSR	02 DEC	26 MAY 91		
1990-107B		20982	USSR	02 DEC	04 DEC 90		
1990-108A	COSMOS 2107	20985	USSR	04 DEC	05 APR 92		
1990-108B		20986	USSR	04 DEC	04 DEC 90		
1990-109A	COSMOS 2108	21000	USSR	04 DEC	28 JAN 91		
1990-109B		21001	USSR	04 DEC	09 DEC 90		
1990-110D		21009	USSR	08 DEC	08 DEC 90		
1990-110E		21010	USSR	20 DEC	09 DEC 90		
1990-112B		21017	USSR	21 DEC	21 DEC 90		
1990-112C		21018	USSR	21 DEC	31 JUL 91		
1990-112E		21024	USSR	21 DEC	11 JUN 91		
1990-113A	COSMOS 2113	21027	USSR	21 DEC	22 DEC 90		
1990-113B		21026	USSR	21 DEC	17 JAN 91		
1990-115A	COSMOS 2120	21035	USSR	26 DEC	28 DEC 90		
1990-115B		21036	USSR	26 DEC	28 DEC 90		
1990-115C		21037	USSR	26 DEC	18 JAN 91		
1990-115D		21061	USSR	26 DEC	19 JAN 91		
1990-115E		21062	USSR	26 DEC	19 JAN 91		
1990-115F		21063	USSR	26 DEC	21 JAN 91		
1990-115G		21068	USSR	27 DEC	21 DEC 90		
1989-100W		21021	USSR	27 DEC	29 DEC 90		
1990-116B		21039	USSR	27 DEC	28 DEC 90		
1990-116C		21040	USSR	27 DEC	21 JUL 91		
1990-116E		21044	USSR	27 DEC			
1991 LAUNCHES							
1991-002A	PROGRESS M6	21053	USSR	14 JAN	15 MAR 91		
1991-002B		21054	USSR	14 JAN	15 JAN 91		
1991-004A	COSMOS 2121	21059	USSR	17 JAN	10 FEB 91		
1991-004B		21060	USSR	17 JAN	19 JAN 91		
1991-004C		21095	USSR	17 JAN	21 FEB 91		
1991-004D		21096	USSR	17 JAN	12 FEB 91		
1991-004E		21097	USSR	17 JAN	14 FEB 91		
1991-004F		21098	USSR	17 JAN	11 FEB 91		
1991-004G		21099	USSR	18 JAN	19 JAN 91		
1991-005B		21066	USSR	18 JAN	30 MAY 91		
1991-005C	COSMOS 2124	21067	USSR	07 FEB	07 APR 91		
1991-008A		21092	USSR	07 FEB	11 FEB 91		
1991-008B		21093	USSR	07 FEB	08 FEB 91		
1991-008C		21094	USSR	14 FEB	16 FEB 91		
1991-010B		21112	USSR	14 FEB	14 FEB 91		
1991-010C		21113	USSR	15 FEB	01 APR 91		
1991-011A	COSMOS 2134	21116	USSR	15 FEB	19 FEB 91		
1991-011B		21117	USSR	15 FEB	16 FEB 91		
1991-011C		21123	USSR	15 FEB	26 FEB 91		
1991-012B		21119	USSR	15 FEB	22 FEB 91		
1991-012C		21120	USSR	15 FEB			

DECAYED OBJECTS

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1991-014B		21133	USSR	28 FEB	02 MAR 91	
1991-014C		21134	USSR	28 FEB	28 FEB 91	
1991-014E		21201	USSR	28 FEB	10 SEP 91	
1991-014F		21202	USSR	28 FEB	10 AUG 91	
1991-016A		21143	USSR	06 MAR	20 MAR 91	
1991-016B		21144	USSR	06 MAR	17 MAR 91	
1991-016C		21145	USSR	06 MAR	08 MAR 91	
1991-016D		21146	USSR	06 MAR	09 MAR 91	
1991-016E		21192	USSR	06 MAR	22 MAR 91	
1991-016F		21193	USSR	06 MAR	24 MAR 91	
1991-016G		21194	USSR	06 MAR	21 MAR 91	
1991-016H		21195	USSR	06 MAR	22 MAR 91	
1991-020A		21188	USSR	19 MAR	07 MAY 91	
1991-020B		21189	USSR	19 MAR	20 MAR 91	
1991-022B		21197	USSR	22 MAR	02 APR 91	
1991-022C		21198	USSR	22 MAR	28 MAR 91	
1991-022E		21200	USSR	22 MAR	29 MAR 91	
1991-023A		21203	USSR	26 MAR	24 MAY 91	
1991-023B		21204	USSR	30 MAR	17 OCT 92	
1991-024A		21213	USSR	30 MAR	02 APR 91	
1991-024B		21214	USSR	04 APR	04 APR 91	
1991-025D		21219	USSR	05 APR	11 APR 91	
1991-027A		21224	US	28 APR	06 MAY 91	
1991-031A		21242	US	28 APR	06 MAY 91	
1991-031B		21244	US	28 APR	14 MAY 91	
1991-031D		21245	US	28 APR	12 MAY 91	
1991-031E		21246	US	28 APR	13 MAY 91	
1991-031F		21247	USSR	18 MAY	10 OCT 91	
1991-034A		21311	USSR	18 MAY	19 MAY 91	
1991-034B		21312	USSR	21 MAY	20 JUN 91	
1991-035A		21313	USSR	21 MAY	23 MAY 91	
1991-035B		21314	USSR	21 MAY	20 JUN 91	
1991-035D		21480	USSR	21 MAY	23 JUN 91	
1991-035E		21485	USSR	21 MAY	04 JUL 91	
1991-036A		21315	USSR	24 MAY	27 MAY 91	
1991-036B		21316	USSR	24 MAY	16 AUG 91	
1991-038A		21395	USSR	30 MAY	31 MAY 91	
1991-038B		21396	USSR	30 MAY	14 JUN 91	
1991-040A		21399	US	05 JUN	02 JUL 91	
1991-043B		21427	USSR	18 JUN	27 JUN 91	
1991-043C		21428	USSR	18 JUN	21 JUL 91	
1991-044A		21524	USSR	28 JUN	21 JUL 91	
1991-044B		21525	USSR	28 JUN	30 JUN 91	
1991-044C		21604	USSR	28 JUN	21 JUL 91	
1991-044D		21605	USSR	28 JUN	10 AUG 91	
1991-044E		21606	USSR	28 JUN	23 JUL 91	
1991-044F		21607	USSR	28 JUN	25 JUL 91	
1991-044G		21608	USSR	28 JUN	23 JUL 91	
1991-044H		21609	USSR	28 JUN	23 JUL 91	
1991-046B		21534	USSR	02 JUL	04 JUL 91	
1991-046C		21535	USSR	02 JUL	03 JUL 91	
1991-046F		21541	USSR	02 JUL	26 FEB 92	
1991-047B		21553	US	04 JUL	15 NOV 91	
1991-047C		21554	US	04 JUL	29 OCT 91	
1991-048A		21558	USSR	09 JUL	23 JUL 91	
1991-048B		21559	USSR	09 JUL	10 JUL 91	
	COSMOS 2136					
	PROGRESS M-7					
	COSMOS 2138					
	ALMAZ-1					
	STS-39					
	IBSS					
	SOYUZ TM-12					
	RESURS F-10					
	COSMOS 2149					
	PROGRESS M-8					
	STS-40					
	RESURS F-11					
	LOSAT-X					
	COSMOS 2152					

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1991-048C		21613	USSR	09 JUL	27 JUL 91	
1991-048D		21614	USSR	09 JUL	31 JUL 91	
1991-048E		21615	USSR	09 JUL	25 JUL 91	
1991-048F		21616	USSR	09 JUL	24 JUL 91	
1991-048G		21617	USSR	09 JUL	26 JUL 91	
1991-049A	COSMOS 2153	21560	USSR	10 JUL	13 MAR 92	
1991-049B		21561	USSR	10 JUL	13 JUL 91	
1991-051A	MICROSAT 1	21580	US	10 JUL	13 JUL 91	
1991-051B	MICROSAT 2	21581	US	17 JUL	23 JAN 92	
1991-051C	MICROSAT 3	21582	US	17 JUL	23 JAN 92	
1991-051D	MICROSAT 4	21583	US	17 JUL	24 JAN 92	
1991-051E	MICROSAT 5	21584	US	17 JUL	23 JAN 92	
1991-051F	MICROSAT 6	21585	US	17 JUL	24 JAN 92	
1991-051G	MICROSAT 7	21586	US	17 JUL	25 JAN 92	
1991-051H		21587	US	17 JUL	23 JAN 92	
1991-052A	RESURS F-12	21611	USSR	17 JUL	08 NOV 91	
1991-052B		21612	USSR	23 JUL	08 AUG 91	
1991-052C		21613	USSR	23 JUL	25 JUL 91	
1991-052D		21644	USSR	23 JUL	12 AUG 91	
1991-052E		21645	USSR	23 JUL	10 AUG 91	
1991-052F		21646	USSR	23 JUL	28 AUG 91	
1991-052G		21647	USSR	23 JUL	15 AUG 91	
1991-053B		21631	USSR	23 JUL	11 AUG 91	
1991-053C		21632	USSR	01 AUG	02 SEP 91	
1991-054A	STS-43	21638	US	02 AUG	03 SEP 91	
1991-057A	PROGRESS M-9	21662	USSR	20 AUG	11 AUG 91	
1991-057B		21663	USSR	20 AUG	30 SEP 91	
1991-058A	RESURS F-13	21664	USSR	21 AUG	22 AUG 91	
1991-058B		21665	USSR	21 AUG	20 SEP 91	
1991-058C		21715	USSR	21 AUG	23 AUG 91	
1991-058D		21716	USSR	21 AUG	21 SEP 91	
1991-058E		21717	USSR	21 AUG	21 SEP 91	
1991-060B		21669	USSR	25 AUG	22 SEP 91	
1991-060C		21670	JAPAN	25 AUG	07 SEP 91	
1991-063A	STS-48	21700	US	12 SEP	01 MAY 92	
1991-064C		21704	USSR	13 SEP	18 SEP 91	
1991-064D		21705	USSR	13 SEP	14 SEP 91	
1991-064E		21739	USSR	13 SEP	15 SEP 91	
1991-064F		21740	USSR	13 SEP	09 APR 92	
1991-065B		21707	USSR	17 SEP	09 MAY 92	
1991-065C		21708	USSR	17 SEP	30 SEP 91	
1991-065E		21710	USSR	17 SEP	25 SEP 91	
1991-065F		21718	USSR	17 SEP	27 SEP 91	
1991-065G		21719	USSR	17 SEP	27 SEP 91	
1991-065H		21720	USSR	17 SEP	25 SEP 91	
1991-066A	COSMOS 2156	21713	USSR	19 SEP	25 SEP 91	
1991-066B		21714	USSR	19 SEP	17 NOV 91	
1991-069A	SOYUZ TM-13	21735	USSR	19 SEP	22 SEP 91	
1991-069B		21736	USSR	02 OCT	25 MAR 92	
1991-070A	FOTON 4	21737	USSR	04 OCT	03 OCT 91	
1991-070B		21738	USSR	04 OCT	20 OCT 91	
1991-070C		21755	USSR	04 OCT	16 OCT 91	
1991-070D		21756	USSR	04 OCT	25 OCT 91	
1991-070E		21757	USSR	04 OCT	25 OCT 91	
1991-070F		21758	USSR	04 OCT	27 OCT 91	
1991-071A	COSMOS 2163	21741	USSR	09 OCT	09 NOV 91	

DECAYED OBJECTS

NOTES

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY
1991-071B		21742	USSR	09 OCT	12 OCT 91
1991-072A	COSMOS 2164	21743	USSR	10 OCT	12 DEC 92
1991-072B		21744	USSR	10 OCT	14 MAR 92
1991-072C		21745	USSR	10 OCT	25 OCT 91
1991-073A	PROGRESS M-10	21746	USSR	17 OCT	20 JAN 92
1991-073B		21747	USSR	17 OCT	18 OCT 91
1991-074B		21760	USSR	23 OCT	25 OCT 91
1991-074C		21761	USSR	23 OCT	24 OCT 91
1991-074E		21763	USSR	23 OCT	02 AUG 92
1991-074F		21764	USSR	23 OCT	16 APR 92
1991-078A	COSMOS 2171	21787	USSR	20 NOV	17 JAN 92
1991-078B		21788	USSR	20 NOV	24 NOV 91
1991-078C		21843	USSR	20 NOV	18 JAN 92
1991-079B		21790	USSR	22 NOV	24 NOV 91
1991-079C		21791	USSR	22 NOV	23 NOV 91
1991-079E		21793	US	22 NOV	23 JUN 92
1991-080A	STS 44	21795	USSR	24 NOV	01 DEC 91
1991-085A	COSMOS 2174	21816	USSR	17 DEC	30 JAN 92
1991-085B		21817	USSR	17 DEC	22 DEC 91
1991-087B		21822	USSR	19 DEC	21 DEC 91
1991-087C		21823	USSR	19 DEC	20 DEC 91
1991-087E		21828	USSR	19 DEC	13 AUG 92

1992 LAUNCHES

1992-001A	COSMOS 2175	21844	USSR	21 JAN	20 MAR 92
1992-001B		21845	USSR	21 JAN	24 JAN 92
1992-002A	STS-42	21846	US	22 JAN	30 JAN 92
1992-002B		21848	USSR	24 JAN	19 FEB 92
1992-003B		21849	USSR	24 JAN	05 FEB 92
1992-003C		21851	USSR	25 JAN	13 MAR 92
1992-004A	PROGRESS M-1	21852	USSR	25 JAN	26 JAN 92
1992-004B		21856	USSR	29 JAN	30 JAN 92
1992-005D		21857	USSR	29 JAN	30 JAN 92
1992-005E		21898	USSR	04 MAR	28 MAR 92
1992-011B		21899	USSR	04 MAR	19 MAR 92
1992-011C		21908	USSR	17 MAR	10 AUG 92
1992-014A	SOYUZ TM-14	21909	USSR	17 MAR	19 MAR 92
1992-014B		21915	US	24 MAR	02 APR 92
1992-015A	STS 45	21920	USSR	01 APR	30 MAY 92
1992-016A	COSMOS 2182	21921	USSR	01 APR	04 APR 92
1992-016B		21923	USSR	02 APR	04 APR 92
1992-017B		21924	USSR	02 APR	02 APR 92
1992-017C		21926	USSR	02 APR	23 OCT 92
1992-017E		21927	USSR	02 APR	04 NOV 92
1992-017F		21929	USSR	08 APR	10 APR 92
1992-018B	PROGRESS M-12	21946	USSR	19 APR	27 JUN 92
1992-022A		21947	USSR	19 APR	21 APR 92
1992-022B		21947	USSR	19 APR	29 MAY 92
1992-024A	RESURS F-14	21951	USSR	29 APR	01 MAY 92
1992-024B		21952	USSR	29 APR	30 MAY 92
1992-024C		21975	USSR	29 APR	11 JUN 92
1992-025A	COSMOS 2185	21953	USSR	29 APR	03 MAY 92
1992-025B		21954	US	29 APR	16 MAY 92
1992-026A	STS 49	21963	INDIA	07 MAY	14 JUL 92
1992-028A	ROSS 3	21968	INDIA	20 MAY	24 JUN 92
1992-028B		21967	INDIA	20 MAY	

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	SOURCE	LAUNCH	DECAY	NOTES
1992-029A	COSMOS 2186	21973	USSR	28 MAY	24 JUL 92	
1992-029B		21974	USSR	28 MAY	03 JUN 92	
1992-031B	RESURS F 15	21988	US	07 JUN	16 OCT 92	
1992-033A		21998	USSR	23 JUN	09 JUL 92	
1992-033B		21999	USSR	23 JUN	25 JUN 92	
1992-033C		22026	USSR	23 JUN	12 JUL 92	
1992-033D		22029	USSR	23 JUN	11 JUL 92	
1992-033E		22030	USSR	23 JUN	21 JUL 92	
1992-033F		22031	USSR	23 JUN	10 JUL 92	
1992-034A	STS 50	22000	US	25 JUN	09 JUL 92	
1992-035A	PROGRESS M-13	22004	USSR	30 JUN	24 JUL 92	
1992-035B		22005	USSR	30 JUN	02 JUL 92	
1992-040B		22018	USSR	08 JUL	15 AUG 92	
1992-040C		22019	USSR	08 JUL	26 JUL 92	
1992-040E		22021	USSR	08 JUL	14 JUL 92	
1992-043B		22022	USSR	08 JUL	07 AUG 92	
1992-043C		22042	USSR	14 JUL	17 JUL 92	
1992-045A	COSMOS 2203	22043	USSR	14 JUL	15 JUL 92	
1992-045B		22052	USSR	24 JUL	22 SEP 92	
1992-045C		22053	USSR	24 JUL	01 AUG 92	
1992-046B		22135	USSR	24 JUL	23 SEP 92	
1992-047D		22055	USSR	27 JUL	29 JUL 92	
1992-048A	COSMOS 2207	22059	USSR	30 JUL	30 JUL 92	
1992-048B		22062	USSR	30 JUL	13 AUG 92	
1992-048C		22063	USSR	30 JUL	01 AUG 92	
1992-048D		22082	USSR	30 JUL	30 SEP 92	
1992-048E		22083	USSR	30 JUL	23 AUG 92	
1992-048F		22084	USSR	30 JUL	18 AUG 92	
1992-048G		22085	USSR	30 JUL	29 AUG 92	
1992-049A	STS-46	22086	USSR	30 JUL	21 AUG 92	
1992-050B		22064	US	31 JUL	08 AUG 92	
1992-050C		22069	USSR	06 AUG	20 SEP 92	
1992-050E		22070	USSR	06 AUG	29 AUG 92	
1992-051A	PRC 35	22095	USSR	06 AUG	08 SEP 92	
1992-051B		22072	PRC	09 AUG	01 SEP 92	
1992-051C		22073	PRC	09 AUG	16 AUG 92	
1992-051D		22074	PRC	09 AUG	09 AUG 92	
1992-054B		22075	PRC	09 AUG	10 AUG 92	
1992-055A	PROGRESS M-14	22088	PRC	13 AUG	12 DEC 92	
1992-055B		22090	USSR	15 AUG	21 OCT 92	
1992-055C		22091	USSR	15 AUG	18 AUG 92	
1992-056A	RESURS F-16	22092	USSR	15 AUG	17 AUG 92	
1992-056B		22093	USSR	19 AUG	04 SEP 92	
1992-056C	PION 1	22094	USSR	19 AUG	21 AUG 92	
1992-056D	PION 2	22099	USSR	19 AUG	25 SEP 92	
1992-056E		22100	USSR	19 AUG	24 SEP 92	
1992-056F		22102	USSR	19 AUG	13 SEP 92	
1992-056G		22103	USSR	19 AUG	07 SEP 92	
1992-056H		22104	USSR	19 AUG	06 SEP 92	
1992-059B		22105	USSR	19 AUG	07 SEP 92	
1992-059C		22113	USSR	10 SEP	13 SEP 92	
1992-061A	STS 47	22114	US	12 SEP	11 SEP 92	
1992-062A	COSMOS 2210	22120	USSR	22 SEP	20 SEP 92	
1992-062B		22133	USSR	22 SEP	26 NOV 92	
1992-063B		22134	US	22 SEP	01 OCT 92	
1992-063B		22137	US	25 SEP		

INTER- NATIONAL DESIGNATION	NAME	CATALOG NUMBER	DECAYED OBJECTS	LAUNCH	DECAY	NOTES
1992-064B	PRC 36	22162	PRC	06 OCT	31 OCT 92	
1992-064C		22163	PRC	06 OCT	20 OCT 92	
1992-064D		22164	PRC	06 OCT	09 OCT 92	
1992-064E		22165	PRC	06 OCT	08 OCT 92	
1992-064F		22166	PRC	06 OCT	09 OCT 92	
1992-064G		22167	PRC	06 OCT	08 OCT 92	
1992-064H		22168	PRC	06 OCT	10 OCT 92	
1992-064J		22169	PRC	06 OCT	09 OCT 92	
1992-064K		22170	PRC	06 OCT	09 OCT 92	
1992-065A	FOTON 5	22173	USSR	08 OCT	24 OCT 92	
1992-065B		22174	USSR	08 OCT	22 OCT 92	
1992-065C		22199	USSR	08 OCT	20 NOV 92	
1992-065D		22200	USSR	08 OCT	31 OCT 92	
1992-065E		22201	USSR	08 OCT	30 OCT 92	
1992-065F		22202	USSR	08 OCT	03 NOV 92	
1992-067B		22179	USSR	14 OCT	28 OCT 92	
1992-067C		22180	USSR	14 OCT	24 OCT 92	
1992-067E		22193	USSR	14 OCT	28 OCT 92	
1992-069B		22190	USSR	21 OCT	25 NOV 92	
1992-069C		22191	USSR	21 OCT	07 NOV 92	
1992-070A	STS 52	22194	US	22 OCT	01 NOV 92	
1992-070C	CTA	22214	CANADA	22 OCT	01 NOV 92	
1992-071B		22204	USSR	27 OCT	28 OCT 92	
1992-074B		22211	USSR	30 OCT	01 NOV 92	
1992-074C		22212	USSR	30 OCT	31 OCT 92	
1992-075A	RESURS 500	22217	USSR	15 NOV	22 NOV 92	
1992-075B		22218	USSR	15 NOV	18 NOV 92	
1992-075C		22234	USSR	15 NOV	30 NOV 92	
1992-075D		22235	USSR	15 NOV	28 NOV 92	
1992-077B		22227	USSR	20 NOV	24 NOV 92	
1992-081B		22239	USSR	25 NOV	28 DEC 92	
1992-081C		22240	USSR	25 NOV	14 DEC 92	
1992-081E		22242	USSR	25 NOV	15 DEC 92	
1992-081F		22243	USSR	25 NOV	29 NOV 92	
1992-081G		22244	USSR	25 NOV	09 DEC 92	
1992-082B		22246	USSR	27 NOV	30 NOV 92	
1992-082C		22247	USSR	27 NOV	28 NOV 92	
1992-085B		22256	USSR	02 DEC	14 DEC 92	
1992-085C		22257	USSR	02 DEC	11 DEC 92	
1992-085E		22262	USSR	02 DEC	15 DEC 92	
1992-086A	STS 53	22259	US	02 DEC	09 DEC 92	
1992-087B		22261	USSR	09 DEC	12 DEC 92	
1992-088B		22270	USSR	17 DEC	19 DEC 92	
1992-088C		22271	USSR	17 DEC	18 DEC 92	
1992-091B		22281	USSR	22 DEC	26 DEC 92	

FOOTNOTES FOR DECAYED OBJECTS

- A* ANNOUNCED LUNAR IMPACT.
- B* SUCCESSFUL RE-ENTRY AND RECOVERY.
- C* ANNOUNCED SUCCESSFUL RE-ENTRY AND RECOVERY.
- D* SUCCESSFUL RE-ENTRY BUT NOT RECOVERY.
- E* ANNOUNCED SUCCESSFUL RE-ENTRY AND RECOVERY OF MANNED SPACE VEHICLE.
- F* SUCCESSFULLY ORBITED AND RECOVERED A MANNED SPACE VEHICLE.
- G* LUNAR IMPACT.
- H* 24 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1962 B-IOTA 1. ALL OBJECTS OF THIS SERIES HAVE DECAYED.
- J* 98 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1964 070A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.
- K* 168 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1965 012A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.
- L* 150 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1965 020A, 1965 020B AND 1965 020C. THE OBJECTS OF THIS SERIES THAT REMAIN IN ORBIT CAN BE FOUND IN THE LIST OF OBJECTS IN ORBIT.
- M* 24 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1965 088A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.
- N* ANNOUNCED DECAY ON VENUS.
- P* 15 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1965 112A. THE OBJECTS OF THIS SERIES THAT REMAIN IN ORBIT CAN BE FOUND IN THE LIST OF OBJECTS IN ORBIT.
- Q* DEBRIS DISCOVERED IN ORBIT WHICH HAS NOT BEEN IDENTIFIED WITH ANY LAUNCH- ING OR COUNTRY OF ORIGIN.
- R* ANNOUNCED THAT SPACECRAFT LANDED ON THE MOON.
- S* 40 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1966 012A, 1966 012B AND 1966 012C. ALL OBJECTS OF THIS SERIES HAVE DECAYED.
- T* LANDED ON THE MOON.
- U* 54 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1966 046A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.
- V* 82 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1966 056A. THE OBJECTS OF THIS SERIES THAT REMAIN IN ORBIT CAN BE FOUND IN THE LIST OF OBJECTS IN ORBIT.
- W* 35 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1966 059A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.
- X* 53 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1966 088A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.
- Y* 41 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1966 101A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.
- Z* 15 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1966 104A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

FOOTNOTES FOR DECAYED OBJECTS

AB* 15 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED 1967 011A. THE OBJECTS OF THIS SERIES THAT REMAIN IN ORBIT CAN BE FOUND IN THE LIST OF OBJECTS IN ORBIT.

AC* 18 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1967 024A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

AD* ANNOUNCED RE-ENTRY AND RECOVERY OF A MANNED SPACE VEHICLE.

AE* 16 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1968 025A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

AF* 24 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1968 117A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

AG* A MANNED SPACECRAFT SUCCESSFULLY ORBITED THE MOON AND WAS RECOVERED.

AH* 23 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1969 021A. THE OBJECTS OF THIS SERIES THAT REMAIN IN ORBIT CAN BE FOUND IN THE LIST OF OBJECTS IN ORBIT.

AJ* A MANNED SPACECRAFT WHICH SUCCESSFULLY ORBITED THE MOON, LANDED MAN ON THE MOON IN THE LUNAR MODULE, AND WAS RECOVERED.

AK* 38 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1969 029A. THE OBJECTS OF THIS SERIES THAT REMAIN IN ORBIT CAN BE FOUND IN THE LIST OF OBJECTS IN ORBIT.

AL* 27 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1969 064A. THE OBJECTS OF THIS SERIES THAT REMAIN IN ORBIT CAN BE FOUND IN THE LIST OF OBJECTS IN ORBIT.

AM* A MANNED SPACECRAFT WHICH SUCCESSFULLY LANDED ON THE MOON, RETURNED TO SELENOCENTRIC ORBIT, THEN DECAYED ON THE SURFACE OF THE MOON.

AN* A MANNED SPACECRAFT WHICH PASSED AROUND THE MOON AND WAS SUCCESSFULLY RECOVERED ON THE EARTH.

AP* ANNOUNCED THAT SPACECRAFT LANDED ON THE MOON, RETURNED TO EARTH, AND WAS SUCCESSFULLY RECOVERED.

AQ* DEBRIS DISCOVERED IN ORBIT WHICH HAS NOT BEEN IDENTIFIED WITH ANY LAUNCH.

AR* ANNOUNCED DECAY ON MARS.

AS* 15 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1971 074A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

AT* 29 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1971 106A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

AU* 26 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1973 017A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

AV* 197 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1973 021A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

AW* 24 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1973 027A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

AX* 14 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1973 075A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

AY* 20 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1974 074A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

FOOTNOTES FOR DECAYED OBJECTS

AZ* 51 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1974 103A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BA* 19 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1974 104A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BB* 19 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1975 044A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BC* 1975 066A, CARRYING U.S. APOLLO ASTRONAUTS, AND 1975 065A, CARRYING USSR SOYUZ COSMONAUTS, DOCKED, CREW MEMBERS VISITED EACH OTHER'S SPACECRAFT, AND WERE SUCCESSFULLY RECOVERED.

BD* LANDED ON MARS.

BE* 77 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1975 080A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BF* 63 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1975 102A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BG* 17 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1976 012A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BH* 25 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1976 037A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BJ* 41 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1976 063A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BK* 249 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1976 072A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BL* ANNOUNCED THAT SPACECRAFT RETURNED TO EARTH FROM THE MOON AND WAS SUCCESSFULLY RECOVERED.

BM* 18 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1976 124A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BN* 22 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1977 042A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BP* 106 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1977 097A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BQ* 27 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1977 111A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BR* 26 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1979 063A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BS* 27 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1980 047A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BT* SUCCESSFUL EARTH ORBIT AND EARTH LANDING OF MANNED SPACECRAFT.

BU* 24 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1980 067A. ALL OBJECTS OF THIS SERIES HAVE DECAYED.

BV* 26 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1981 097A. THE OBJECTS OF THIS SERIES THAT REMAIN IN ORBIT CAN BE FOUND IN THE LIST OF OBJECTS IN ORBIT.

FOOTNOTES FOR DECAYED OBJECTS

BW* 25 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1982 007A. THE OBJECTS OF THIS SERIES THAT REMAIN IN ORBIT CAN BE FOUND IN THE LIST OF OBJECTS IN ORBIT.

BX* 184 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1982 033A. THE OBJECTS OF THIS SERIES REMAINING IN ORBIT CAN BE FOUND IN THE LIST OF OBJECTS IN ORBIT.

BY* 24 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1982 076A. ALL OBJECTS IN THIS SERIES HAVE DECAYED.

BZ* 33 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1982 088A. THE OBJECTS OF THIS SERIES THAT REMAIN IN ORBIT CAN BE FOUND IN THE LIST OF OBJECTS IN ORBIT.

CA* 1984 011B (WESTAR 6) WAS RECOVERED BY 1984 113A (STS 51A) ON NOVEMBER 14, 1984.

CB* 1984 011D (PALAPA B2) WAS RECOVERED BY 1984 113A (STS 51A) ON NOVEMBER 12, 1984.

CC* SOFT LANDED ON VENUS

CD* 29 OBJECTS HAVE BEEN IDENTIFIED AS HAVING BEEN LAUNCHED WITH 1985 050A. THE OBJECTS OF THIS SERIES REMAINING IN ORBIT CAN BE FOUND IN THE LIST OF OBJECTS IN ORBIT.

NNA* NO CATALOG NUMBER ASSIGNED.

NNN* NO NATIONAL NAME.

